JS LED®

Product Specifications

HM-12RGB5A3-3A5WF1

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

Product description：

2 IN 1 WiFi LED controller is a multi-type led controller contain RGBW/RGB+CCT 2 kinds of controller inside it. It uses the latest intelligent wifi module and PWM control technology. With this controller, user do not need a WIFI bridge or wifi box to connect wifi controller with light device , only download APP to control light device directly with mobile device. Using amazon cloud, the servers are spreading all over the world, making the control effect more easy, convenient and stable. 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.

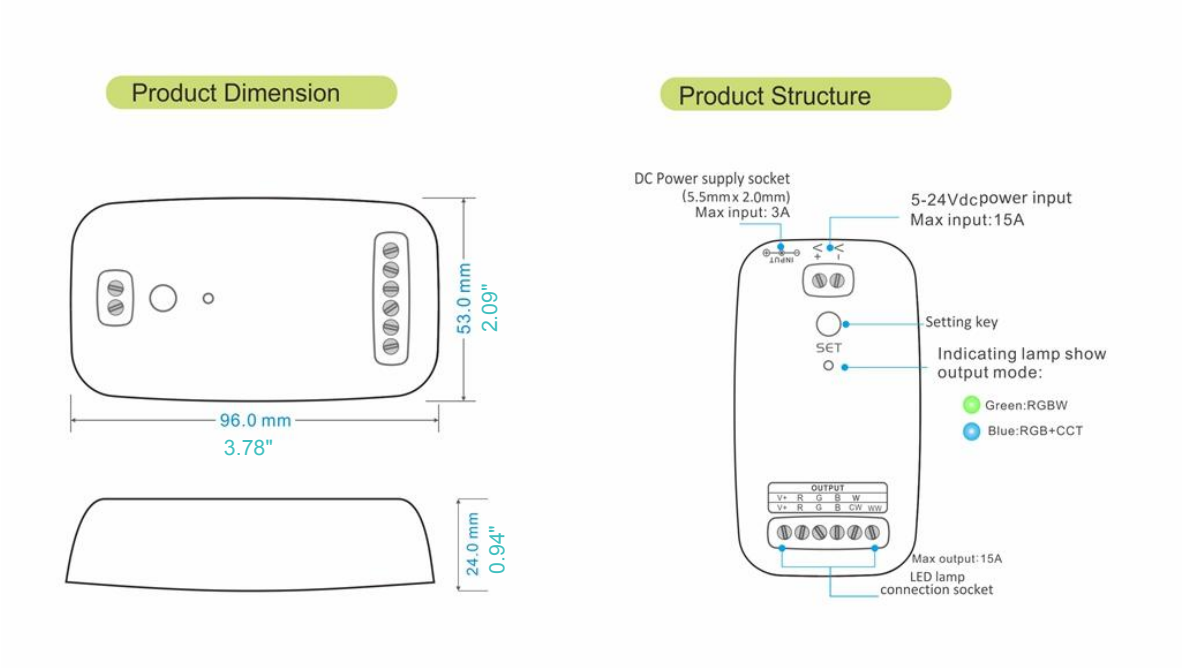
Product features：

1. It's a multi-type controller contain: RGBW/ RGB+CCT 2 kinds of LED controllers' function inside it;
2. It works with RGBW/RGB+CCT 2 kinds of DC9~24V led lamps.
3. Adopt DC9V-24V wide voltage, it support regular DC9V, 12V, DC24V LED lights;
4. Main functions: DIY mode, Timer, Group, Scene, Phone calling reminder,microphone etc;
5. 1600 millions colors, Special operation for color change and saturation change makes App interface stand out on the market ;
6. Can set any timer to turn on lamp, turn off lamp, and set different lighting mode alarms;
7. Works with Amazon Alexa, use AWS cloud to make online stability;
8. Support LAN control and Long-distance control;
9. OPEN-LIT APP support wifi and bluetooth mesh smart device.

Technical Parameters:

- HM-12RGB5A3-3A5WF1
- Input voltage: DC9V~24V
- Output voltage: DC9V~24V
- Working temperature: -30~55℃
- Static power consumption：<1W
- Connection mode: Common anode
- Dimension: L3.78XW2.09XH0.94"
- 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: UL CE ROHS FCC (WiFi module)
- Warranty:5 years

External dimension:



How to switch device type?:

To switch RGBW/RGB+CCT controller ?

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

Green: RGBW Controller

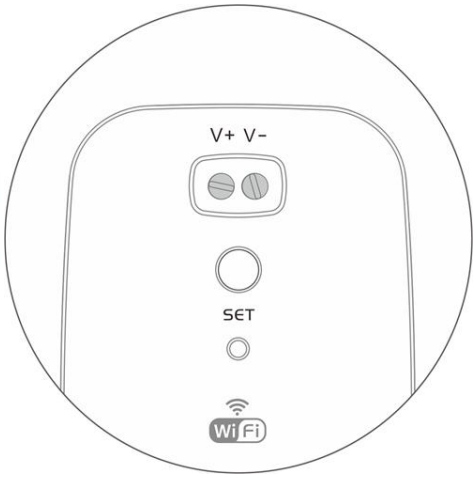
Blue: RGB+CCT Controller

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

3. After finished the switch, please wait app change type automatically within 1 minute, and there is no need to re-pair the controller again.

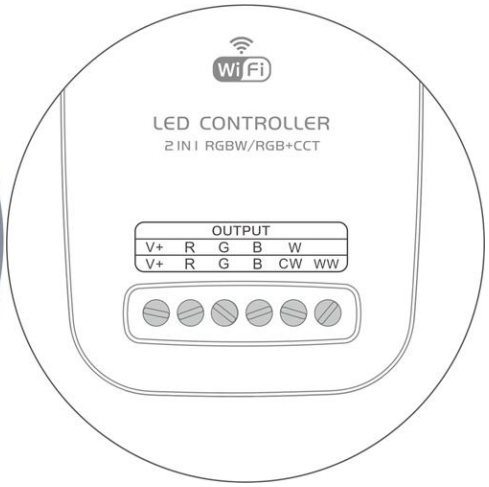
Connection description:

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

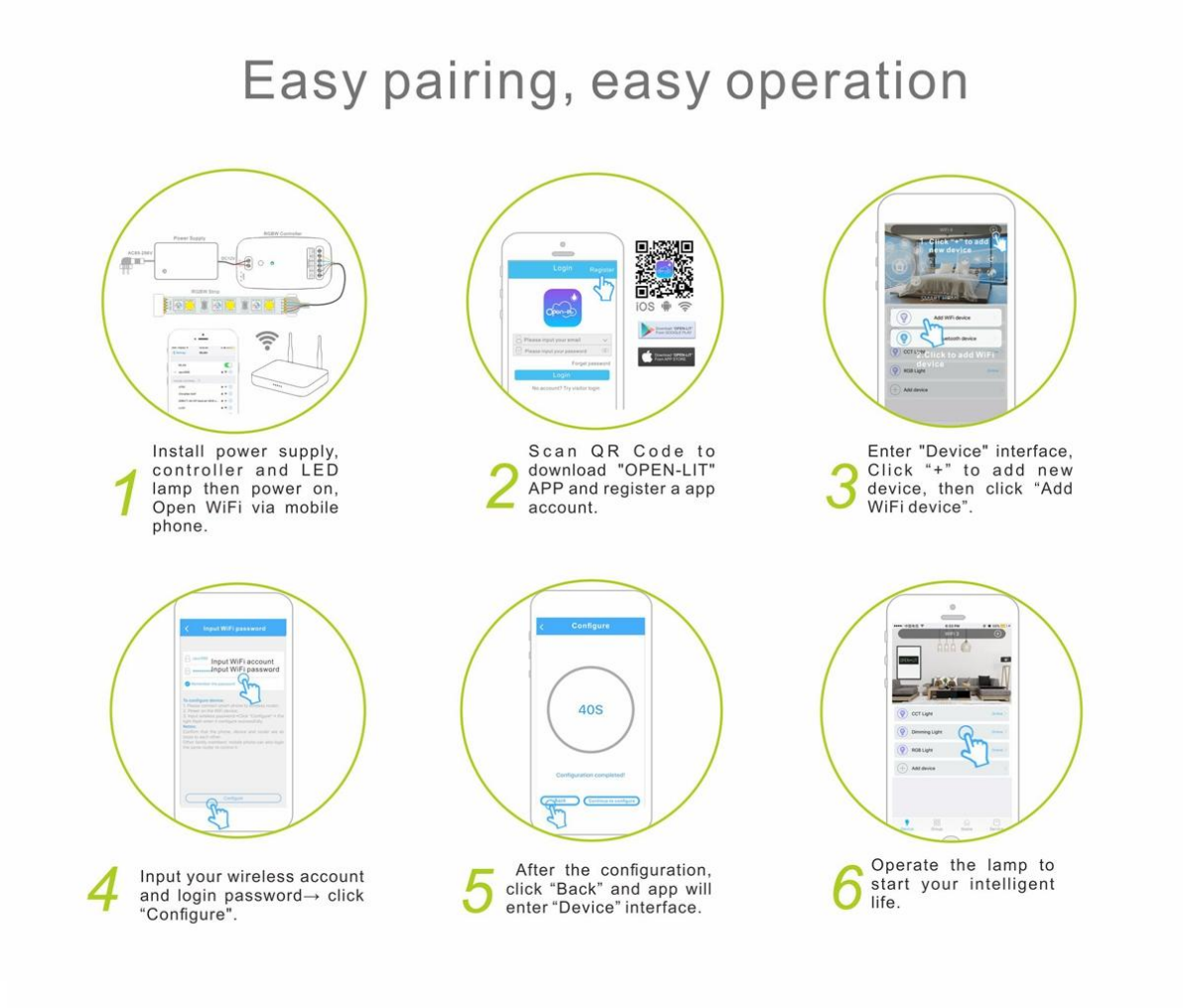
WW： Load output warm white channel

Pictures:


V+ V-
SET
WiFi
LED CONTROLLER
2 IN 1 RGBW/RGB+CCT
V+ R G B W
V+ R G B CW WW
OUTPUT


V+ V-
SET
WiFi
LED CONTROLLER
2 IN 1 RGBW/RGB+CCT
V+ R G B W
CW WW
OUTPUT

Configuration:



1. Install power supply, controller and LED lamp then power on, Open WiFi 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 WiFi device” to start configuration.

4. Input your wireless account and login password→ click “Configure"; Then APP will remind you if it complete the configuration within 40 seconds.

5. 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.

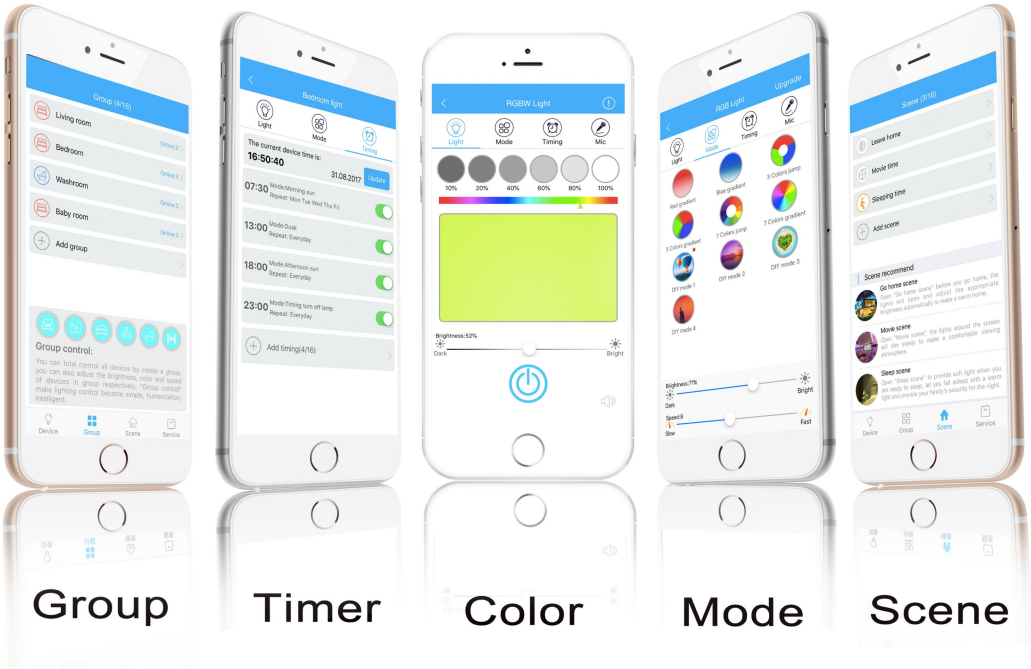
6. Open the “Device” interface, operate the lamp to start your intelligent life.

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)

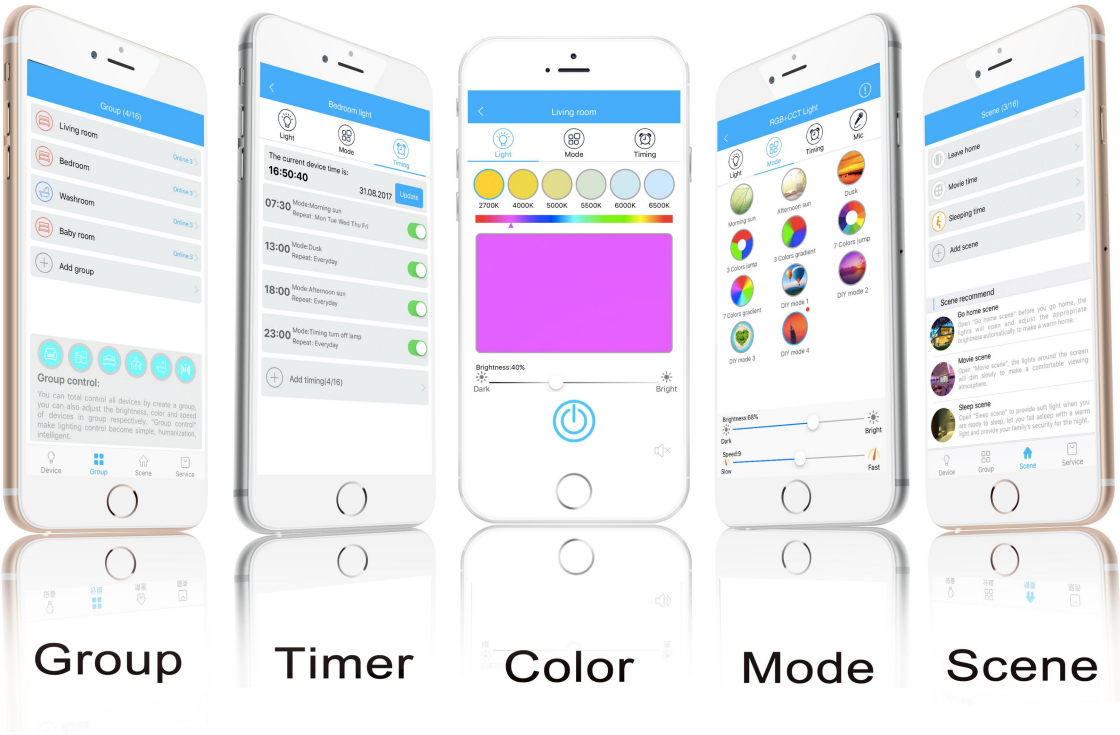
Restore factory setting operation steps: press the “set” button once until the lamp flashes, this means factory setting successfully.

App interface and function introduce：

(1) RGBW LED Controller type

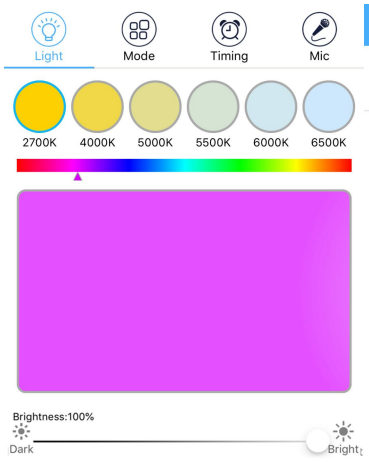


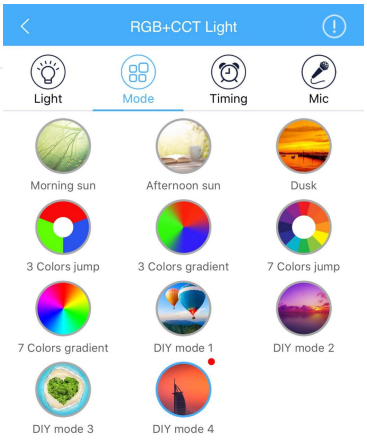
(2) RGB+CCT LED Controller type



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





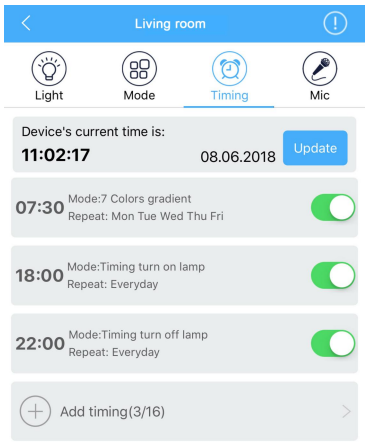
1.1. With 6 color temperature shortcut keys, slide left and right of the color palette to adjust colors, slide up and down to adjust saturation.

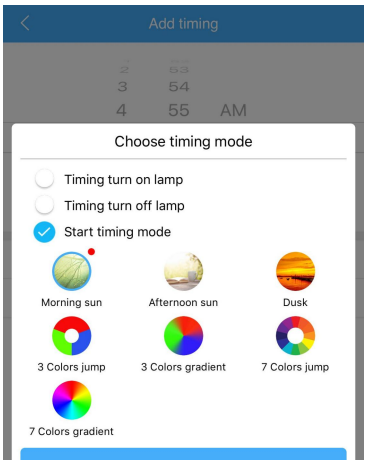
1.2. With 9 dynamic modes and 4 DIY modes.

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



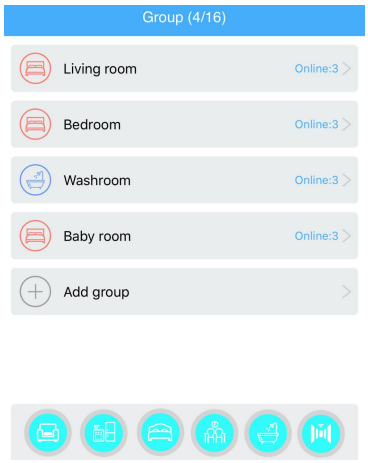


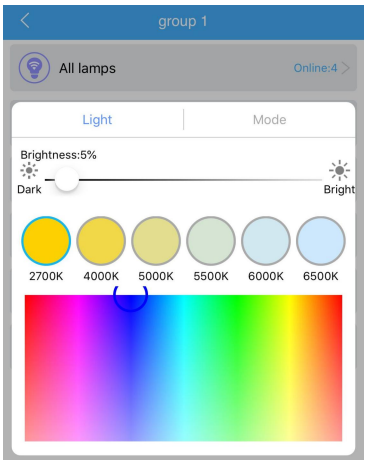
2.1. Add at most 16 timers in each device;

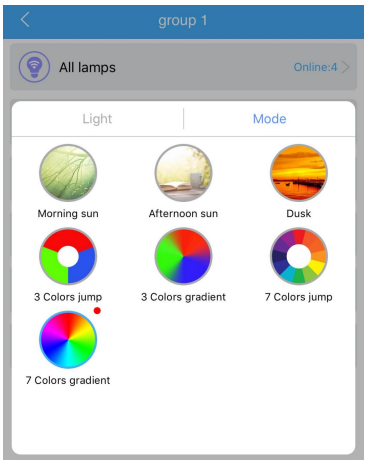
2.2. Slide left can delete timer.

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

3. Grouping function





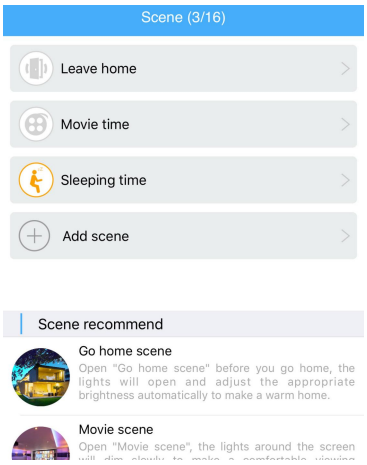


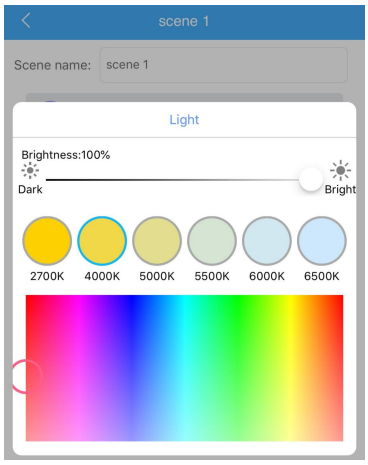
3.1 Add at most 10 WIFI groups, add at most 16 Bluetooth groups, a WIFI or Bluetooth device can be added to 8 groups at most;

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

3.3 Slide left can rename group.

4. Scene function





4.1. Add at most 10 WIFI scenes, add at most 16 Bluetooth scenes;

4.2. Slide left can delete and rename scene.

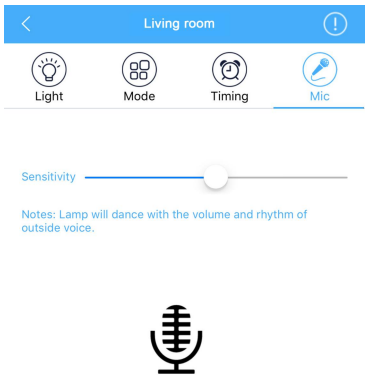
5. Phone call reminder

5.1. Users can preset different light mode when use phone call reminder. 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 Dimming and CCT device type do not support Microphone function, RGB /RGBW / RGB+CCT device type support music function;

6.3 If you use microphone to play some music , suggest play some fast-tempo songs.

6.4. 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 WIFI router and signal connecting to the APP works normally;

7.2 Please input the correct router password;

7.3 Device and phone as close as possible to router when you are ready to pair them;

7.4 Check if the device is waiting for network configuration;

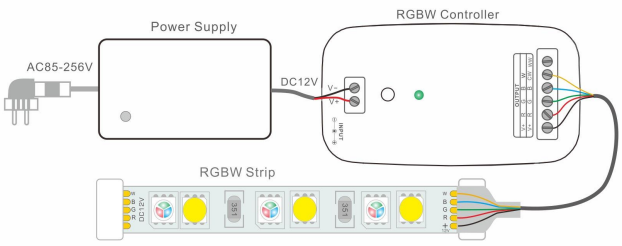
7.5 if it still no working, please restore factory setting via press the "**SET**" button once until the lamp flashes. then repair the device again.

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

Typical Application：

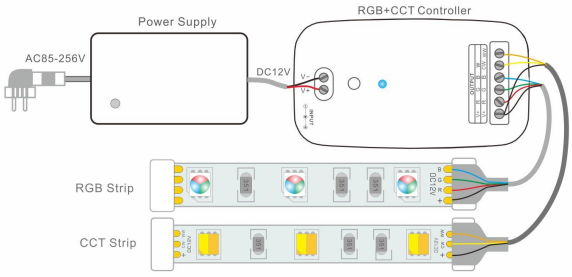
Use as RGBW Controller

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 WiFi device can only be paired by one home router at the same time. if there are many family members registered and login different account but in a same router, this device can be controlled by different account.
3.Phone call remainder in iOS system only support Bluetooth device, do not support WiFi device.

4.Press the “SET” button once to restore factory setting (If you want to pair the device but the device has been configured to other app account).

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 is15A.
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.

Amazon ECHO Users：

How to control “OPEN-LIT” smart device with Amazon Echo?

1. What you need to get started.

Before using Echo to control your smart devices, make sure you meet the following conditions.

1.1 An Echo device, including Echo, Echo Tap, or Echo Dot etc. An Amazon Alexa app and related APP account. (If you don't have one, Please register it at http://alexa.amazon.com).

1.2 You need to have some OPEN-LIT smart devices in hand, OPEN-LIT app and a related APP account.

2. To connect Alexa to your "OPEN-LIT" smart products via a few simple steps as below:

2.1 Download "OPEN-LIT" App in IOS, Android App market or scan the QR code in the manual instruction;

2.2 Power on OPEN-LIT Smart devices, configure them with "OPEN-LIT" App.

2.3 Plug in Echo, download Amazon "Alexa" App from android, IOS or Amazon App market and configure Echo with "Alexa" App (For the details pair steps please check your Echo manual instruction);

2.4 Open "Alexa" App and search "OPEN-LIT" skill from the "Alexa" App skills category;

2.5 Click and Enable the skill of "OPEN-LIT", and you'll be navigated to “OPEN-LIT” login page;

2.6 Input your “OPEN-LIT” account username and password, Click : “Link now” to link your OPEN-LIT account. Then you'll be redirect to the success page: ”Alexa has been successfully linked with OPEN-LIT”;

2.7 Click “Your skills” in Alexa “Skill” interface, you will find the "OPEN-LIT" skill which you just added, now you can manage this skill;

2.8 Click “Add device” in Alexa “Smart home” interface to discover the “OPEN-LIT” device. You can also say “Alexa, Discover device” to add new device;

2.9 Now all setups are finished, you can start to voice control the ”OPEN-LIT” smart device by Echo;

3. To control OPEN-LIT smart device with Echo

3.1 “OPEN-LIT” have Dimming, CCT, RGB, RGBW, RGB+CCT 5 kinds of device types, for their’s corresponding device default names in Alexa app:

Dimming device- Dimmer

CCT device- Sunlight

RGB device- RGB light

RGBW device- Rainbow

RGB+CCT device- Rainbow sun

3.2 You can enjoy the voice control on your home devices like these: (you can also rename the device before

voice control, such as rename the dimmer to bedroom light, then you can speak to alexa : Alexa, turn on bedroom light.)

3.2.1.Dimmer (Dimming controller) :
“Alexa, discover dimmer."
"Alexa, turn on dimmer ."
"Alexa, turn off dimmer."
"Alexa, dim dimmer to 30%."
"Alexa, brighten dimmer to 80%."".....

3.2.2.Sunlight (CCT controller):
“Alexa, discover sunlight."
"Alexa, turn on Sunlight ."
"Alexa, turn off Sunlight."
"Alexa, dim Sunlight to 40%."
"Alexa, brighten Sunlight to 70%."
"Alexa, set sunlight to warm white."
"Alexa, set sunlight to cool white."
"Alexa, set sunlight to daylight white."
"Alexa, make the sunlight warmer."
"Alexa, make the sunlight more warm."
"Alexa, make the sunlight cool."
"Alexa, make sunlight more cool."
"Alexa, make the sunlight less cool."
"Alexa, make sunlight less warm."".....

3.2.3.RGB light (RGB controller) :
“Alexa, discover RGB light."
"Alexa, turn on RGB light ."
"Alexa, turn off RGB light."
"Alexa, dim RGB light to 40%."
"Alexa, brighten RGB light to 80%."
"Alexa, set RGB light to red."
"Alexa, set RGB light to blue."
"Alexa, set RGB light to yellow."
"Alexa, set RGB light to white.
"Alexa, make RGB light more red."
"Alexa, make RGB light yellower."
"Alexa, make RGB light bluer."
"Alexa, make RGB light less yellow.""".....

3.2.4.Rainbow (RGBW controller) :
“Alexa, discover Rainbow."
"Alexa, turn on Rainbow ."
"Alexa, turn off Rainbow."
"Alexa, dim Rainbow to 40%."
"Alexa, brighten Rainbow to 80%."
"Alexa, set Rainbow to red."

"Alexa, set Rainbow to blue."
"Alexa, set Rainbow to white.
"Alexa, make Rainbow more pink."
"Alexa, make Rainbow yellower."
"Alexa, make Rainbow bluer."
"Alexa, make Rainbow less yellow."".....

3.2.5.Rainbow sun (RGB+CCT controller) :
“Alexa, discover Rainbow sun."
"Alexa, turn on Rainbow sun ."
"Alexa, turn off Rainbow sun."
"Alexa, dim Rainbow sun to 20%."
"Alexa, brighten Rainbow sun to 70%."
"Alexa, set Rainbow sun to red."
"Alexa, set Rainbow sun to blue."
"Alexa, set Rainbow to white.
"Alexa, make Rainbow sun yellower."
"Alexa, make Rainbow sun bluer."
"Alexa, make Rainbow sun more red."
"Alexa, make Rainbow sun less pink."
"Alexa, set Rainbow sun to warm white."
"Alexa, set Rainbow sun to cool white."
"Alexa, make the Rainbow sun warmer."
"Alexa, make the Rainbow sun cooler."
"Alexa, make Rainbow sun softer."
"Alexa, make Rainbow sun more warm."
"Alexa, make Rainbow sun less cool."
"Alexa, make Rainbow sun whiter."
"Alexa, make Rainbow sun less warm."".....

3.3 Group control.
You can also set up groups in “smart home” of Alexa app. Click “Add Group”, input your group “custom name”, then select the devices which you want to add to this group, click “save”. now you can group control the devices.
Your Echo device can only be added to one smart home group at a time.

4 Note:
Some of OPEN-LIT smart devices can be switched to different types. Please delete then re-add the device if the device has been switched. (such as if a RGB device has been switched to CCT type, please delete this RGB device then re-add CCT device to Alexa)