

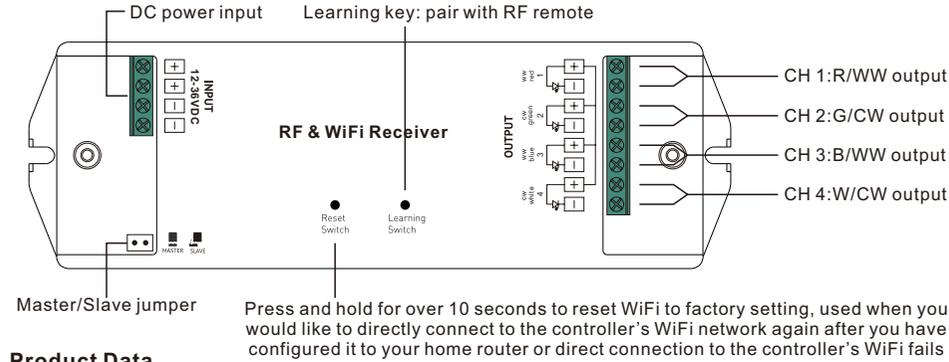
# Universal series RF & WiFi Receiver

70020007



**Important:** Read All Instructions Prior to Installation

## Function introduction



## Product Data

No.	Input Voltage	Output Current	Output Power	Connector Current Rating	Wire Size	Remarks	Size(LxWxH)
1	12-36VDC	4x5A	4x(60-180)W	Max. 10A	0.32-3.3mm <sup>2</sup> (12-22AWG)	Constant voltage	178x57x21mm
2	12-36VDC	4x350mA	4x(4.2-12.6)W	Max. 10A	0.32-3.3mm <sup>2</sup> (12-22AWG)	Constant current	178x57x21mm
3	12-36VDC	4x700mA	4x(8.4-25.2)W	Max. 10A	0.32-3.3mm <sup>2</sup> (12-22AWG)	Constant current	178x57x21mm

- Radio Frequency : 869.5/916.5/434mhz
- Waterproof grade: IP20

## Safety & Warnings

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

## Pair/delete the pairing with RF remote

1. Do wiring according to connection diagram.
2. Pair RF Receiver with RF remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:

- (1) Wire up the RF receiver correctly, power on.
- (2) Press and hold down the "Learning Key" button on receiver for over 3 seconds until the connected light flashes, which means well deleted.

## Master and Slave Setting:

1. The receiver has both master and slave functions which can be set with a jumper. Short circuit of the jumper means master function, and open circuit means slave function. Once short circuit the jumper on a receiver, please power off and power on the receiver to enable master function. Setting master and slave enables perfect synchronization of color changing effects.
2. Set one receiver as master and pair it to any zone of a remote, and this zone shall only have one receiver which works as master. Set all other receivers as slave and pair them to other zones of the remote, and multiple receivers can be paired to each zone. Then choose all zones on the remote and play the color changing effects, the master will send sync signal to the slaves to achieve perfect synchronization. The max. sync distance between the master and any slave is within 30m.

## WiFi control (Please refer to the user manual of EasyHome or EasyLighting APP for more details)

1. There are two methods to control this WiFi LED controller.
2. First method: directly connect IOS or Android smart phone to the controller's WiFi network and control it, which does not require home network.

3. Second method: configure this wifi LED controller to home network (home router's wifi network), then connect smart phone to home router and control.
4. Generally this wifi LED controller's wifi SSID will be EasyLighting\_XXXXXXXXXXXX, default password is 0123456789.
5. This wifi LED controller can be controlled using **EasyHome** or **EasyLighting** APP, which can be downloaded from APP Store or Google Play. (Or download by scanning QR code at the end of the manual)

## Directly connect smart phone to the controller's WiFi network to control (EasyHome APP)

**Step 1:** Download EasyHome APP to your smart phone (Search "Easy Home - Smart Home")

**Step 2:** Do wiring of this wifi LED controller and power on.

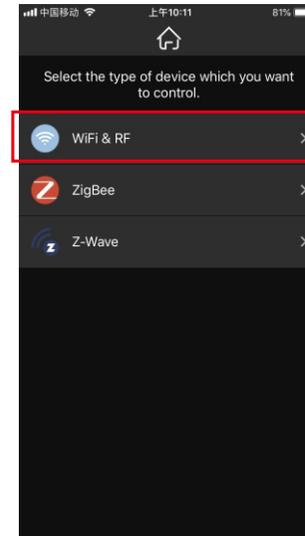
**Step 3:** Connect your smart phone to the wifi controller's network, SSID is EasyLighting\_XXXXXXXXXXXX.



Connect the smart phone to this wifi network, default password is 0123456789. Please DO NOT connect more than 2 smart phones to the WiFi network, otherwise the 3rd one can not connect to it.

**Note: the max. allowed number of smart phone directly connected to the controller's WiFi is 2.**

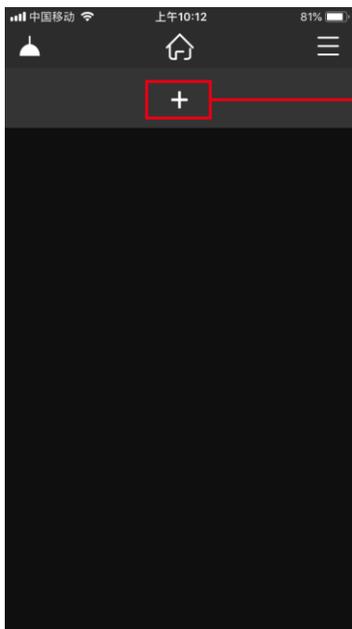
**Step 4:** Run EasyHome APP, select "WiFi&RF", you should allow the APP to use WLAN and cellular network before first use.



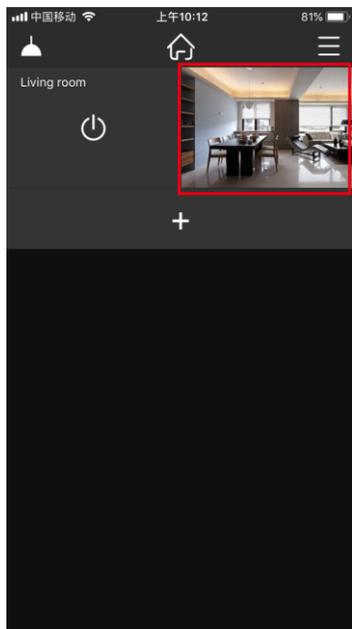
Select "WiFi&RF" control type



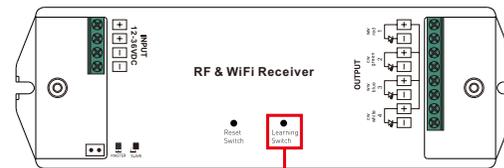
**Step 5:** At home interface of the APP, tap “+” to set up a room, then tap room picture to enter into the room. At room interface tap “+” to add control interface, tick the control interfaces you need to use, then go back to room interface. Short press “Learning Switch” on the wifi LED controller, then immediately slide corresponding control interface leftward and tap “learning”, LED light blinks to indicate successful pairing to the APP.



Tap to setup a room

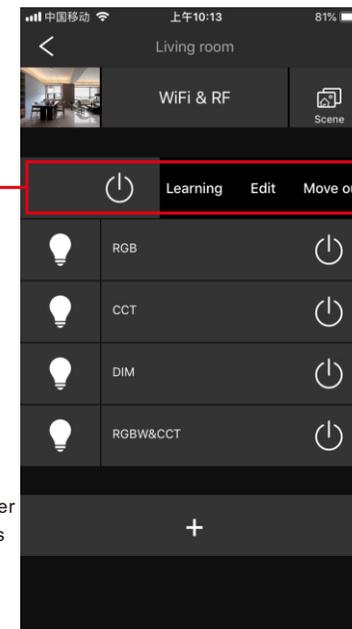


Tap to enter into the room



Short press “Learning Switch” or reset power of the device 3 times if “Learning Switch” is not accessible to enter into pairing mode

Select corresponding control interface and slide leftward according to the controlled LED light color type, then tap “Learning” to pair to the wifi controller.

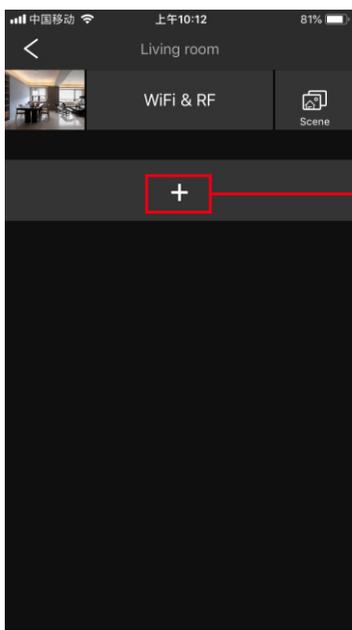


**Step 6:** The LED light connected with the wifi controller will blink to indicate successful pairing, then you can control it through APP.

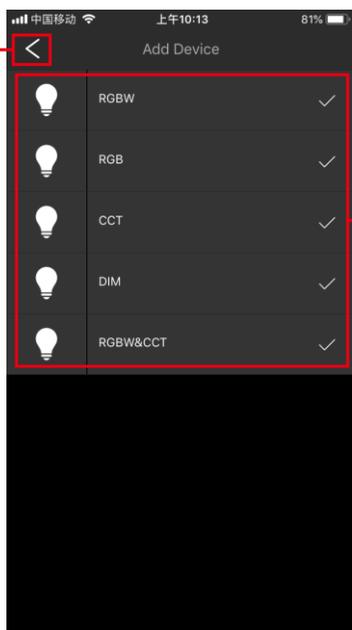
**Configure WiFi controller to home router & control through home network (EasyHome APP)**

Step 1, 2 & 3 are the same as operations in the part directly control through wifi controller's network.

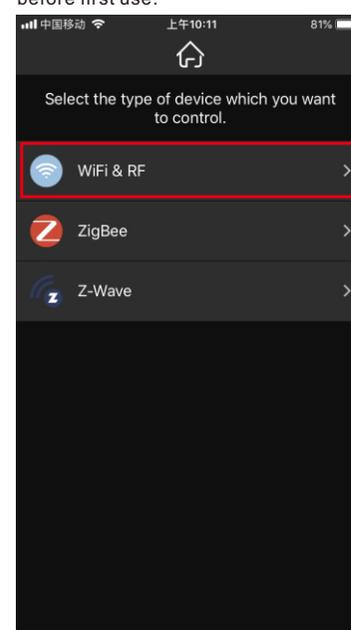
**Step 4:** Run EasyHome APP, select "WiFi&RF", you should allow the APP to use WLAN and cellular network before first use.



Tap to add control interfaces

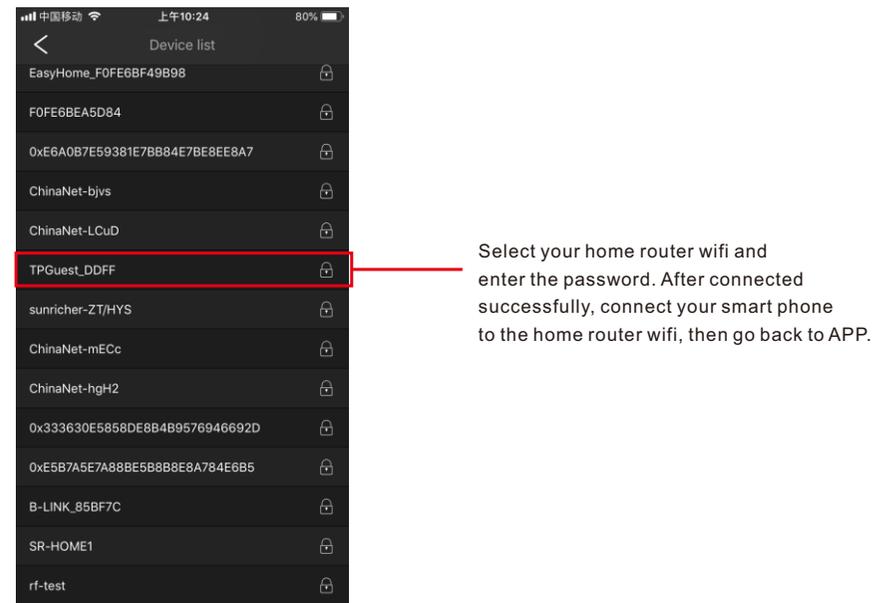
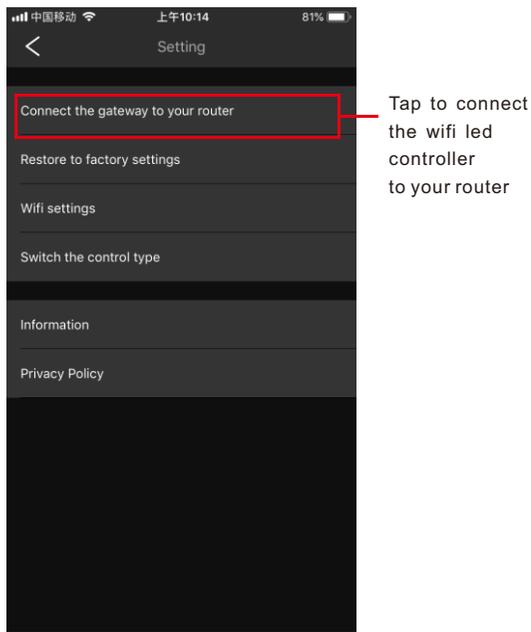
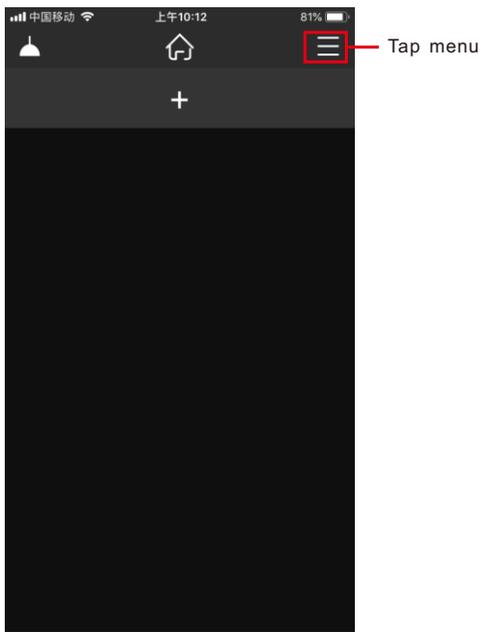


Tick control interfaces



Select “WiFi&RF” control type

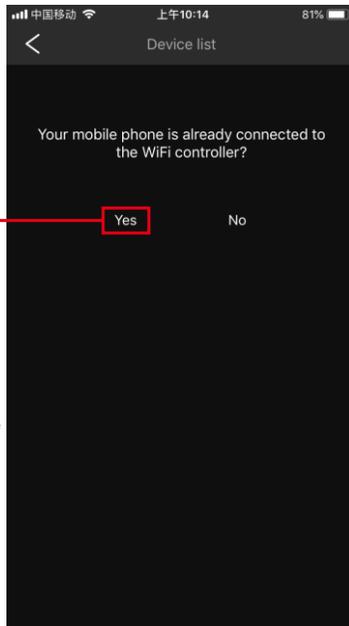
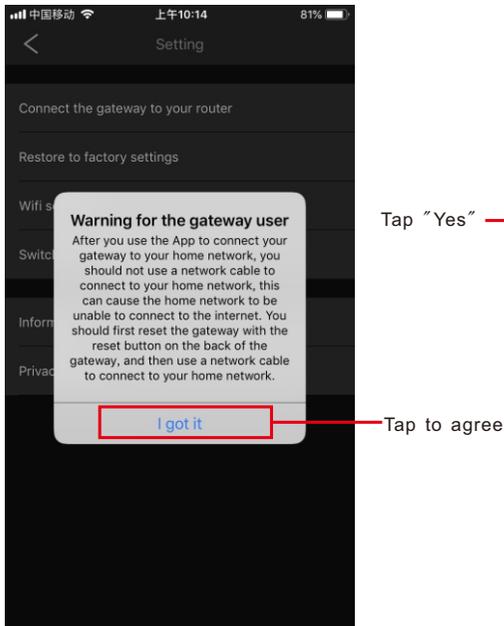




**Step 5:** same as operation in the part directly control through wifi controller's network.

**Step 6:** same as operation in the part directly control through wifi controller's network.

**Note:** If the wifi controller is already configured to home router, to control it directly through the controller's network, please reset wifi setting by pressing and holding the reset button for over 10 seconds.

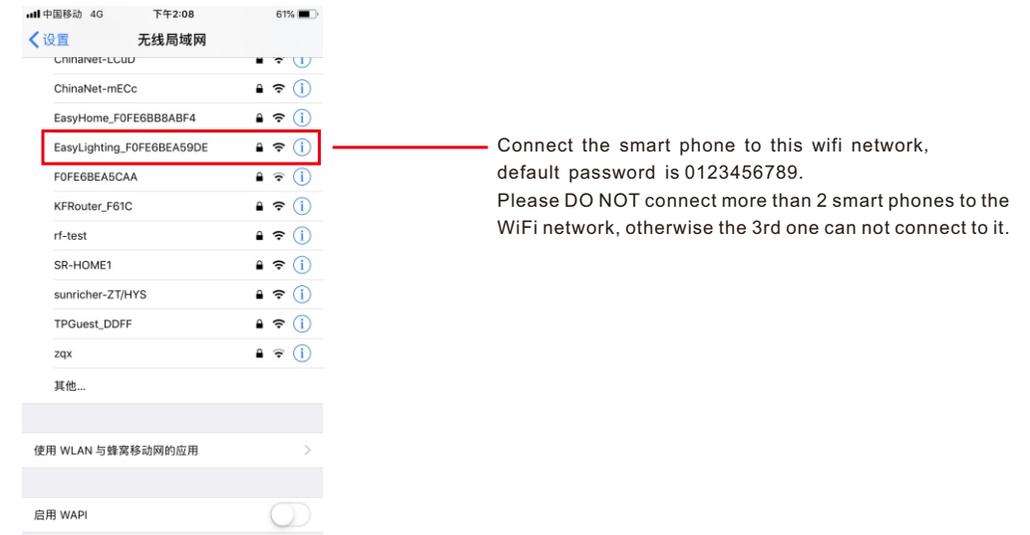


### Directly connect smart phone to the controller's WiFi network to control (EasyLighting APP)

**Step 1:** Download EasyLighting APP to your smart phone.

**Step 2:** Do wiring of this wifi LED controller and power on.

**Step 3:** Connect your smart phone to the wifi controller's network, SSID is EasyLighting\_XXXXXXXXXXXX.

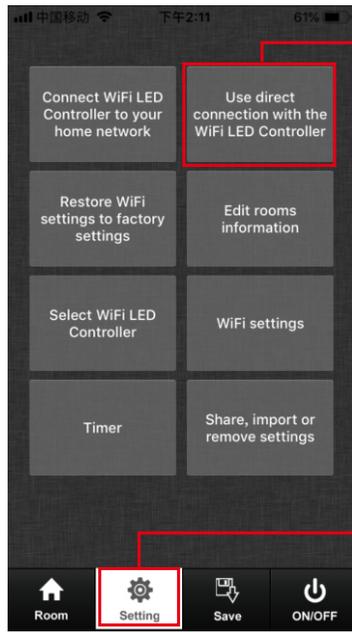


**Note:** the max. allowed number of smart phone directly connected to the controller's WiFi is 2.

**Step 4:** Run EasyLighting APP, you should allow the APP to use WLAN and cellular network before first use.

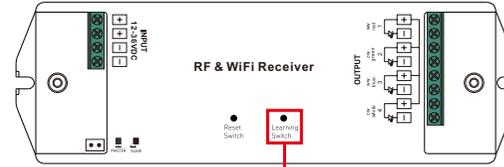


**Step 5:** Then tap setting again to go back to color wheel interface. Short press "Learning switch" on the wifi controller, then immediately touch and rotate the color wheel. To control different color type LED light, corresponding color wheel should be used.



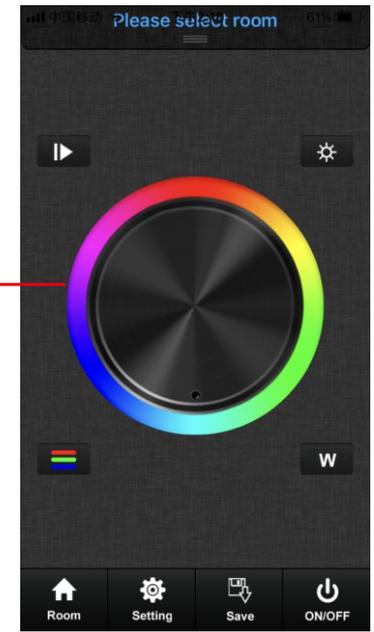
Then select "Use direct connection with the WiFi LED Controller"

Tap "setting"



Short press "Learning Switch" or reset power of the device 3 times if "Learning Switch" is not accessible to enter into pairing mode

Select corresponding color wheel and touch and rotate the color wheel.

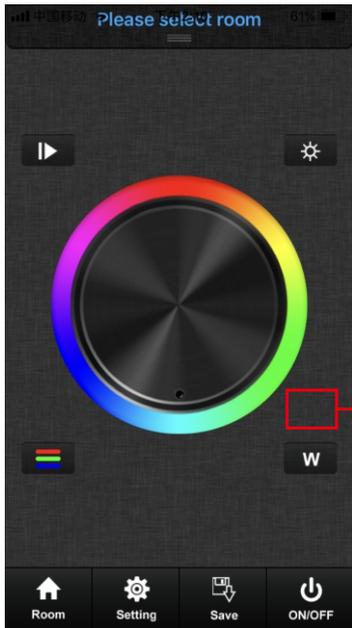


**Step 6:** The LED light connected with the wifi controller will blink to indicate succesful pairing, then you can control it through APP.

### Configure WiFi controller to home roter & control through home network (EasyLighting APP)

Step 1, 2 & 3 are the same as operations in the part directly control through wifi controller's network.

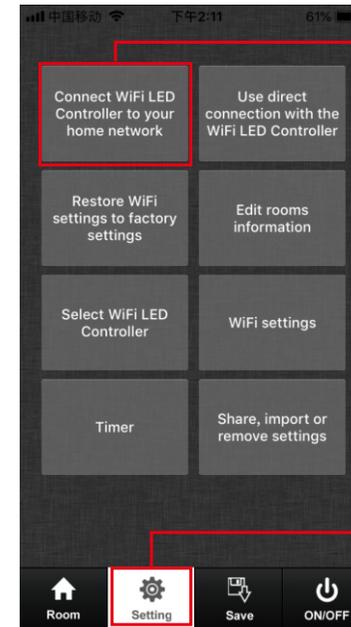
**Step 4:** Run EasyLighting APP, you should allow the APP to use WLAN and cellular network before first use, then tap "setting".



click blank area 3 times continuously to enter into color wheel selection interface



Select corresponding color wheel according to the LED light connected to the wifi controller

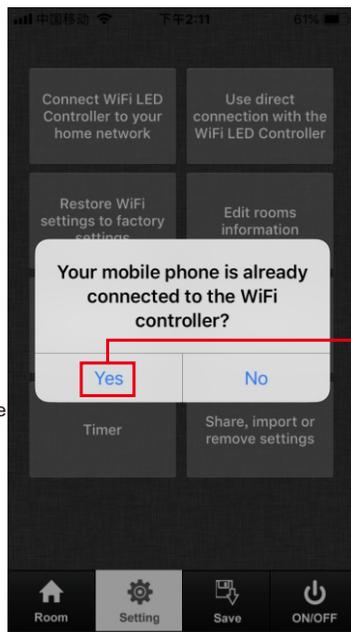


Then select "Connect WiFi LED Controller to your home network"

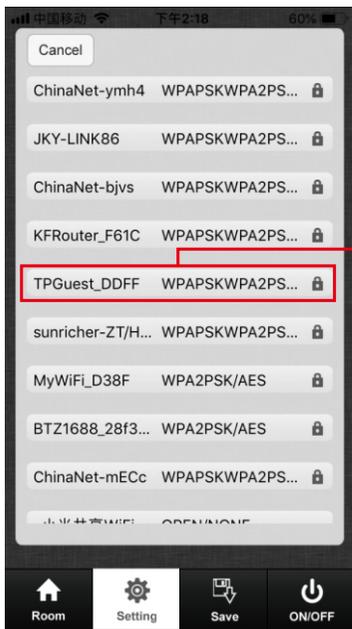
Tap "setting"



Tap to agree



Tap "Yes"



Select your home wifi network and enter password



Tap "OK"

**Step 5:** same as operation in the part directly control through wifi controller's network.

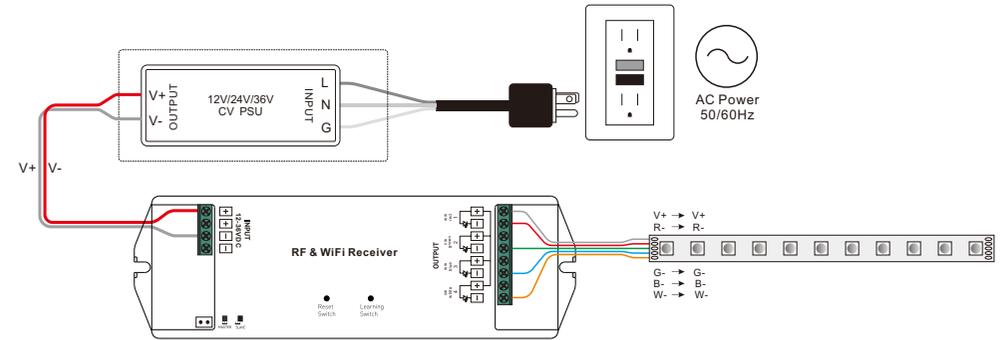
**Step 6:** same as operation in the part directly control through wifi controller's network.

**Note:** If the wifi controller is already configured to home router, to control it directly through the controller's network, please reset wifi setting by pressing and holding the reset button for over 10 seconds.

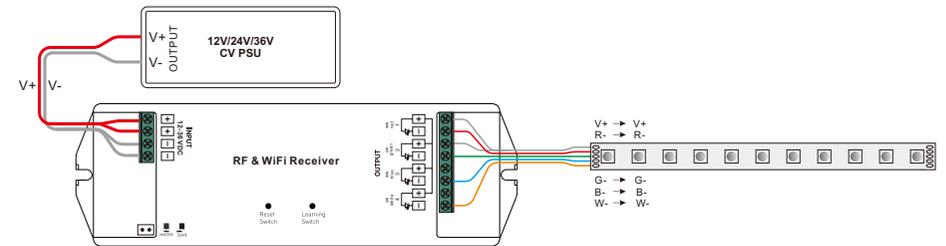
## Wiring Diagram

### Controls RGB/RGBW LED Light

1) When total load of each receiver is not over 10A

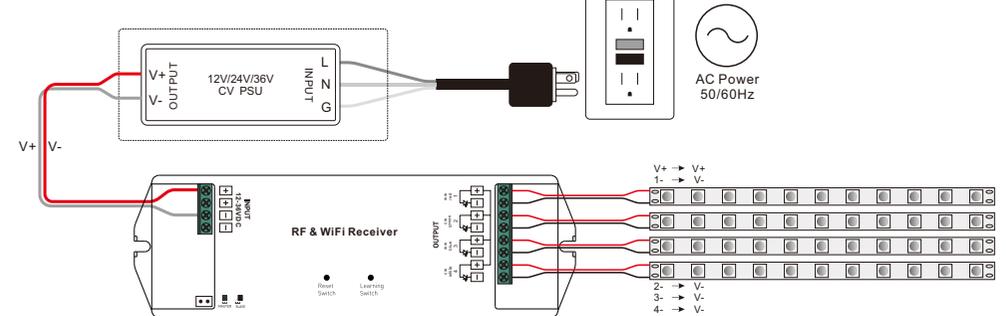


2) When total load of each receiver is over 10A

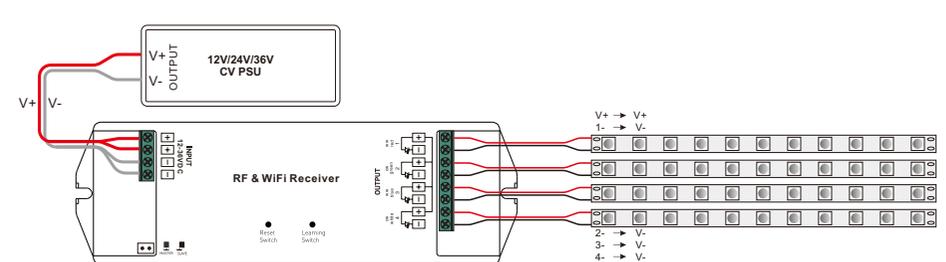


### Controls Single Color LED Light

1) When total load of each receiver is not over 10A

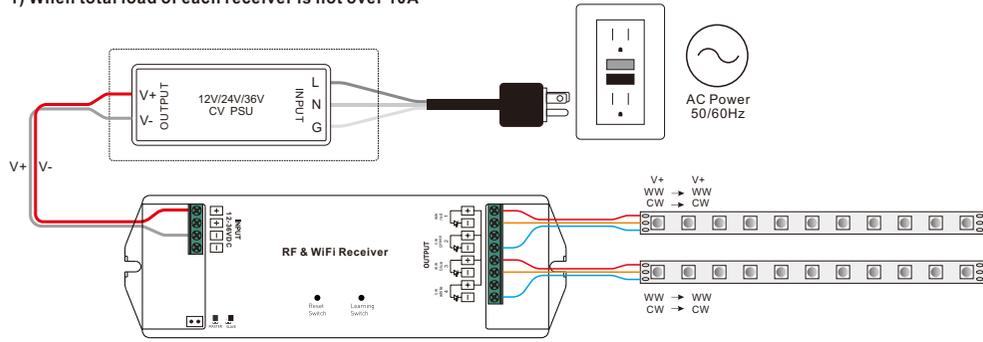


2) When total load of each receiver is over 10A

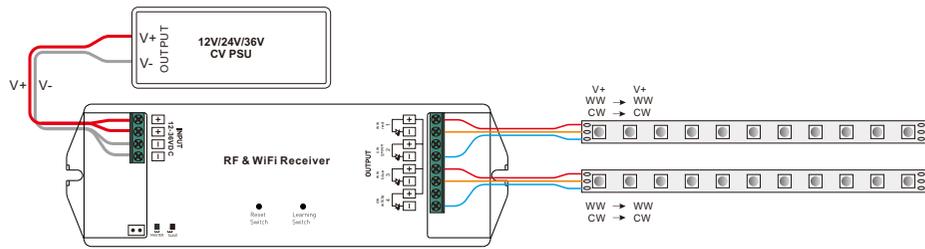


## Controls Tunable White LED Light

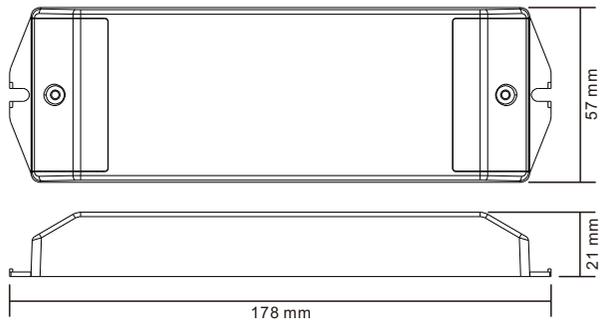
1) When total load of each receiver is not over 10A



2) When total load of each receiver is over 10A



## Product Dimensions



Download APP by scanning QR code



EasyHome IOS Version



EasyHome Android Version



EasyLighting IOS Version



EasyLighting Android Version

**Note:** for android smart phones, please use web browser to scan the QR code to download APP.