

LED RF WiFi Interface - 8 Zones - User Manual



WiFi Interface: LC-012-010



Receiver: LC-012-004

1. Product Description

The RF Wifi Interface is a Converter which works with receiver LC-012-004 to be controlled by iOS or Android system via WiFi. With the Interface you can control upto 8 different zones.

2. Specification

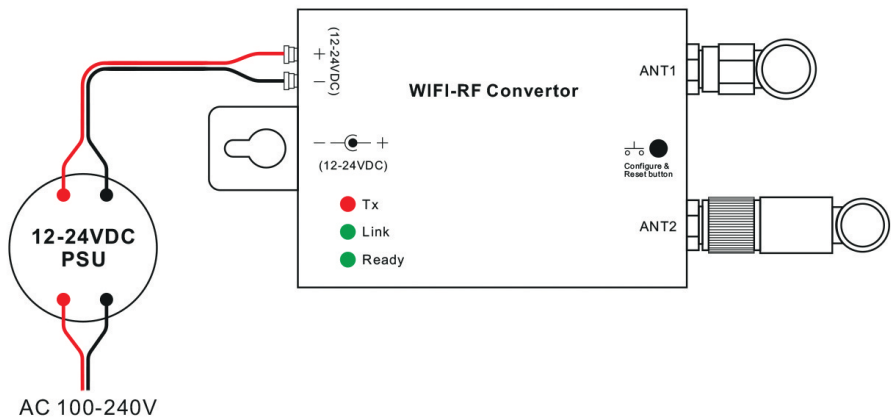
2.1 Interface LC-012-010:

Operation Voltage: 12-24VDC, RF Signal, Operation Frequenz 2.4G

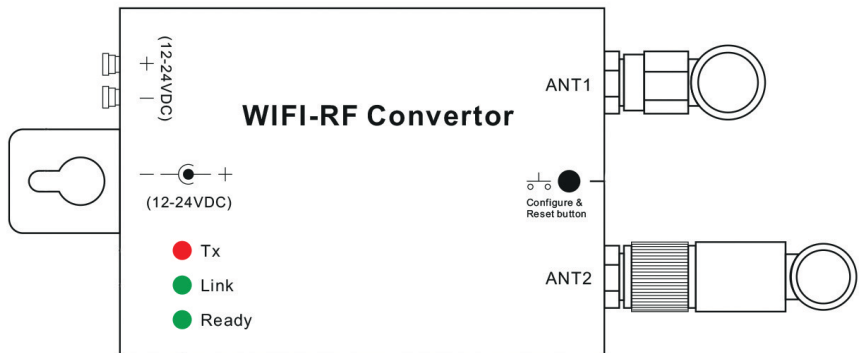
2.2 Receiver LC-012-004:

12-36VDC Operation Voltag, 4 channels x 8A, constant voltage, 4 channels x [96-192]W

3. Wiring Diagram



4. Introduction of Buttons

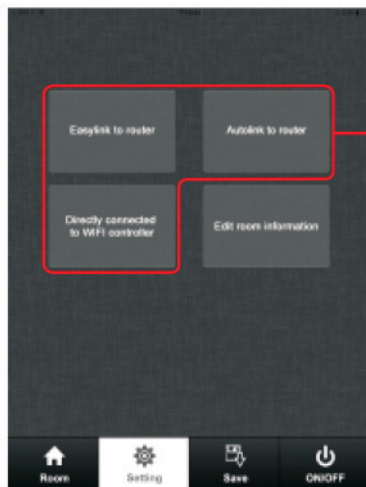


6. User Manual

There are three different ways to configure smart phone connect to converter:

1. Easylink to router
2. Autolink to router
3. Directly connected to WIFI controller

We just need choose any one according different situation.



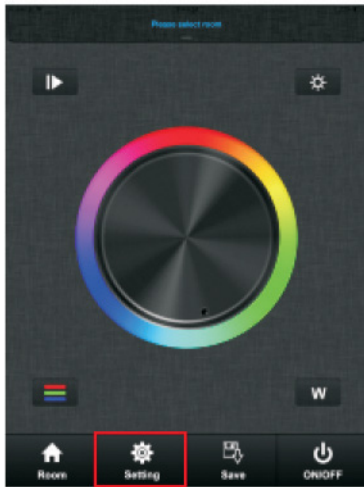
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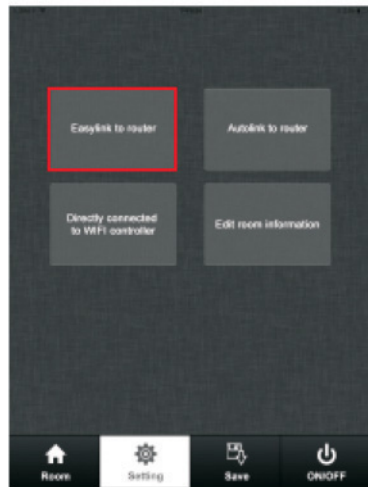
1. Easylink to Router

Mostly be used when convertor installing place is easy to be accessed and need to control LED lighting by own house's WiFi.

1. Install the App „Easylighting” on your smartphone or tablet
2. Smartphone or Tablet connect to house's WiFi
3. Enter the „Easylighting” App
4. Short press „Setting” Button (P2)
5. Short press the „Easylink to Router” Button (P3)

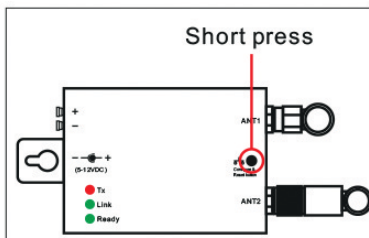


P2

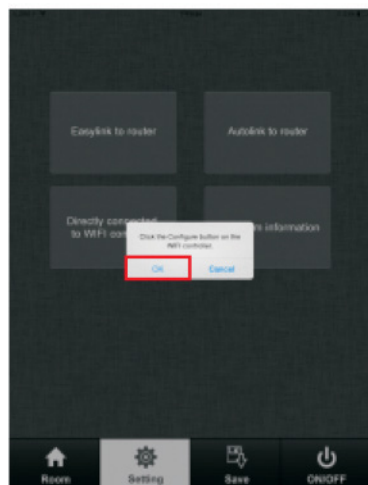


P3

6. Short press the „Configure” Button on WiFi Interface (P4)
7. Press the „OK” Button (P5)

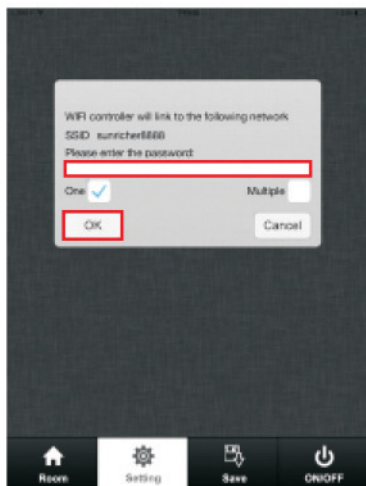


P4



P5

8. Enter the password from the router and then press „OK“ Button (P6)
9. There will be a interface indicate successful, then press „OK“

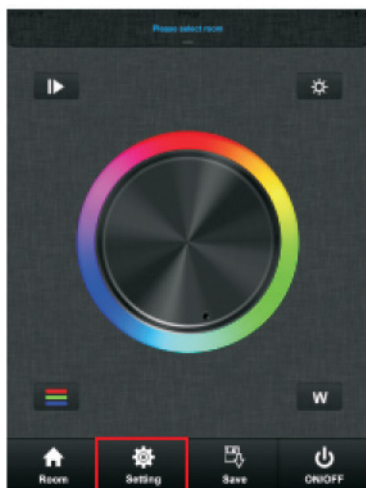


P6

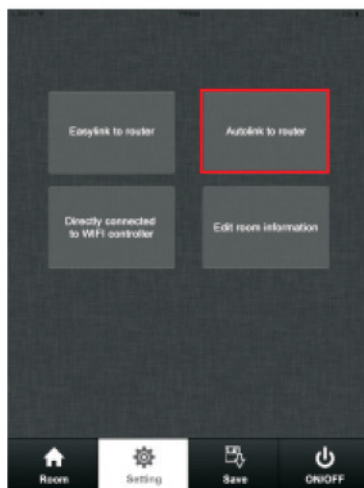
2. Autolink to Router

Most popular way when need to control LED lighting by own house's WIFI.

1. Search and connect the EasyLighting(WIFI controller default password 0123456789)
2. Enter easy lighting application
3. Short press setting button (P2)
4. Short press Autolink to router (P10)

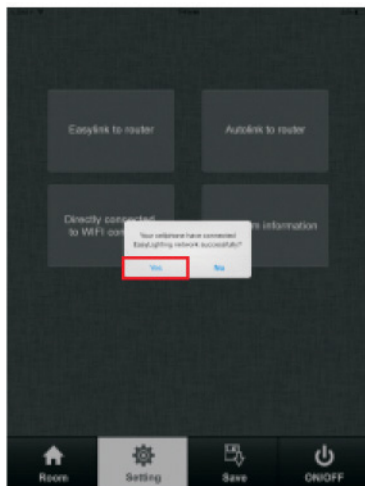


P9

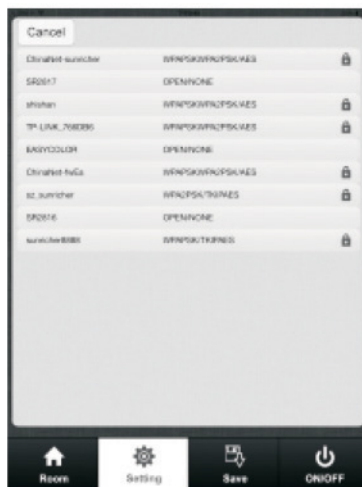


P10

6. Press yes, it will search all the router around automatically (P11.P12)



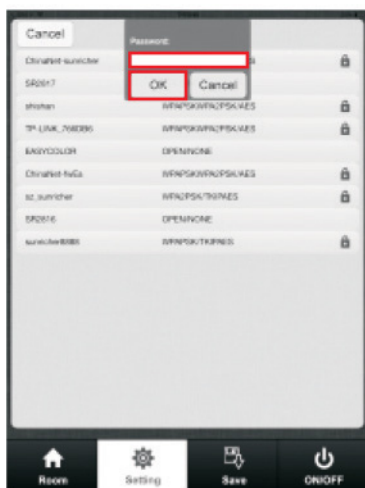
P11



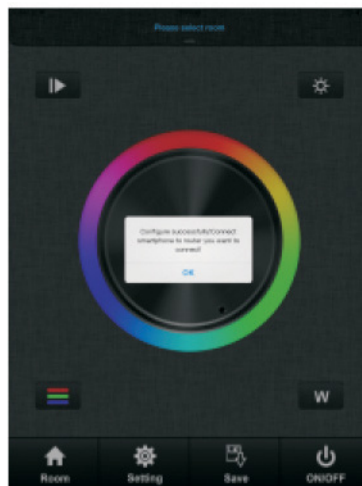
P12

6. Choose router we want connect

7. Enter password and then press OK (P13.P14)



P13

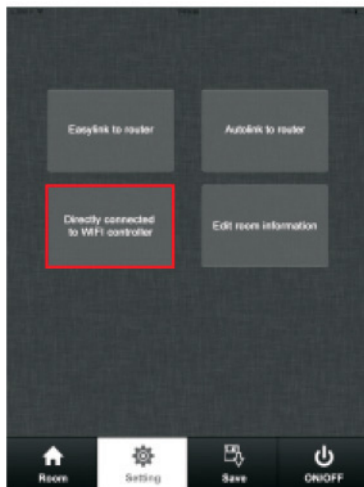


P14

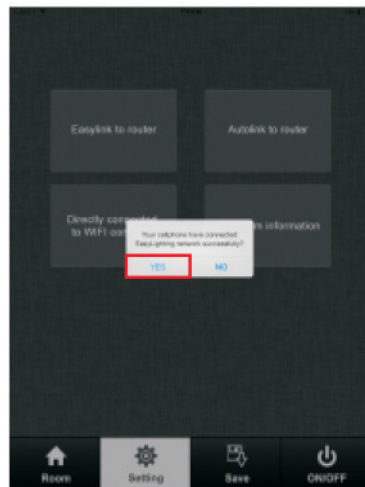
3. Directly connect to WIFI controller

Be used without house's wifi

1. Search and connect the Easylighting (WIFI controller default password 0123456789)
2. Enter easy lighting application
3. Short press setting button.
4. Press „directly connected to WiFi controller” (P15)
5. Press yes (P16).



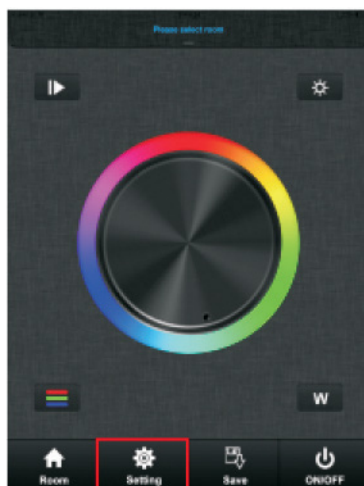
P15



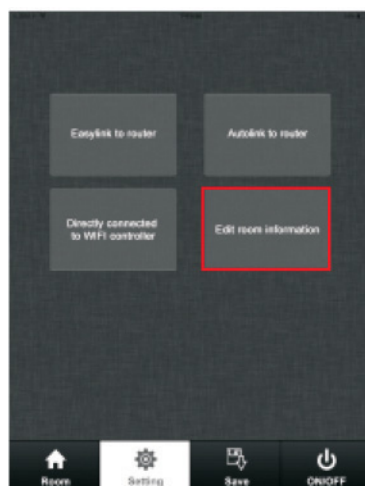
P16

Room editing

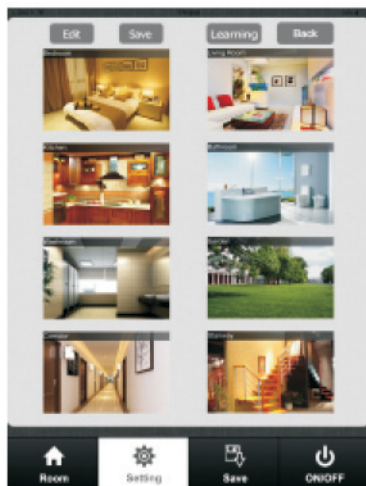
- 1.Short press setting button (P17)
- 2.Short press Edit room information button (P18) there will be room editing page as(P19)



P17



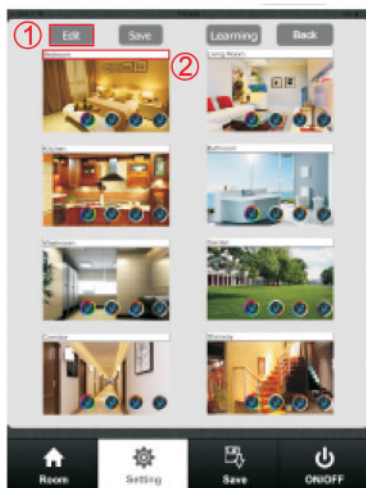
P18



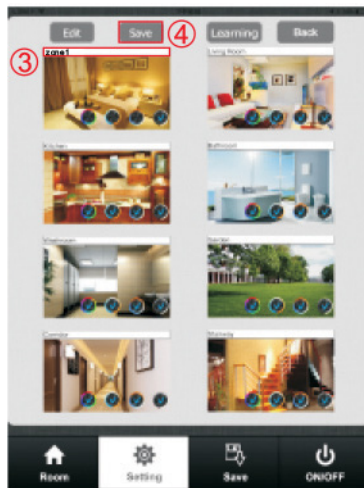
P19

Edit room/zone name

1. Press Edit button (P20)
2. Click the words ("bedroom" for example)
3. Delete the old name and enter a new name (zone 1 for example)
4. Press save button (P21)



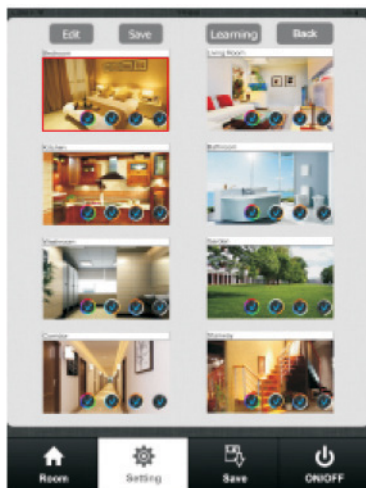
P20



P21

Change picture for the room

1. Press Edit button (P20)
2. Short press the middle of the room picture(P22)
3. Camera will be opened automatically, Take a picture and Click use photo (P23)
4. Press save button (P22)



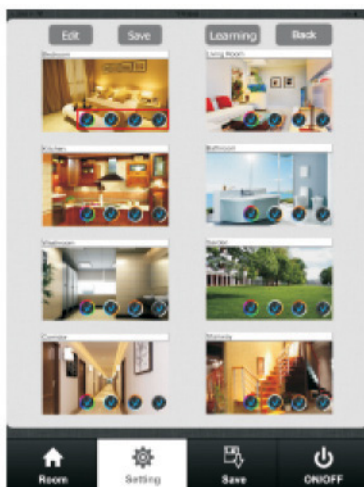
P22



P23

Edit color wheel for corresponding LED lighting

1. Press Edit button there will be four different color wheel in lower right



P24



for RGBW LED lighting



for RGB LED lighting

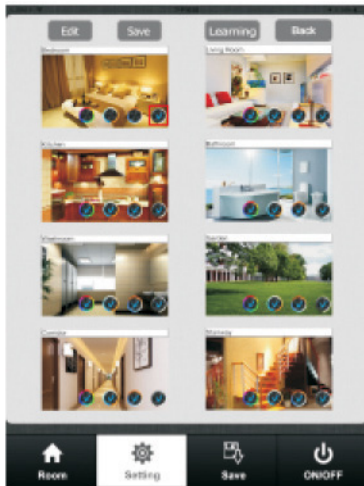


for DW LED lighting

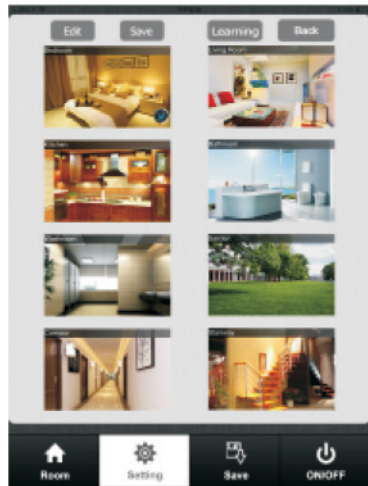


for single color LED lighting

2. Cancel the mark for other three color wheels and keep one (take single color as example) (P25)
3. Press save
4. Choose this zone there will be one directly enter corresponding color wheel



P25



P26

Learning (pairing)

a) Normal learning way

1. Selected any one room and there will be small mark on the upper right side.
2. Press room button.
3. Press learning key on RF controller
4. Touch the color wheel, LED lighting will blink to confirm room designation

Delete:

Press at learning key on receiver over 10 seconds until LED light flash, then delete the learned ID.

b. Special learning way: using learning key in room editing page. This learning way can only be activated in 15 seconds after power on the controller

1. Enter to room editing page
2. Power off and on RF controller
3. Short press the room which we want learning to
4. Short press the learning key
5. LED lighting will blink to confirm room designation

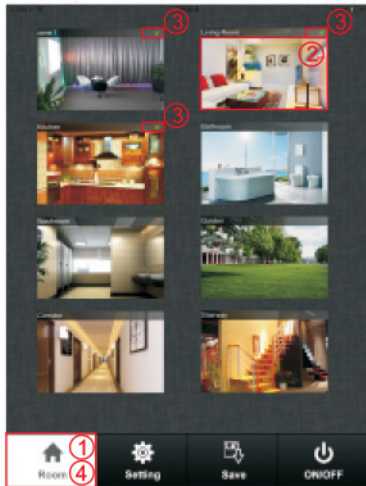
Delete:

1. Power off and on RF controller
2. Long press learning key over 5 second until LED light blink
3. Then deletes the learned ID

Attention: This way normally is used when the RF controller was installed in a place cannot be accessed.

Room Button (P27, P28)

1. Choose Room button
2. Short press middle of zone picture
3. Mark on the upper right side of room picture to indicate choose successfully, multiple rooms can be choose at same time
4. Press room button again be confirm the rooms' selection
5. Upper area will indicate room's name we selected.



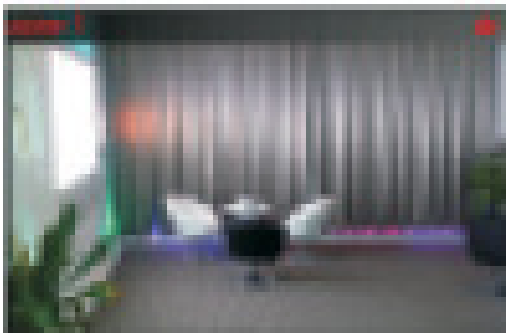
P27



P28

Long press middle of the room picture to on/off corresponding rooms/zones.

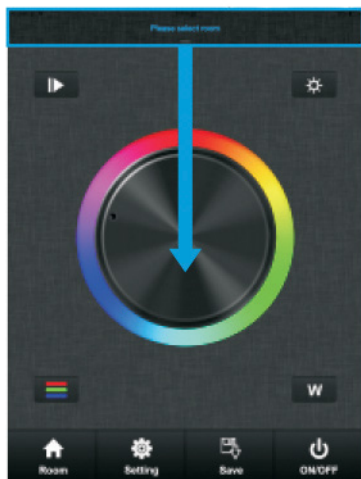
There will be a red off mark on the right upper side of the room picture when the room is switched off.



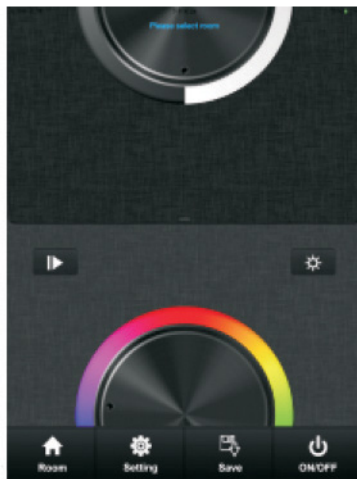
Color Wheel

There will be four different color wheels we can select if we did not edit the room:
RGBW, RGB, DW and Single color.

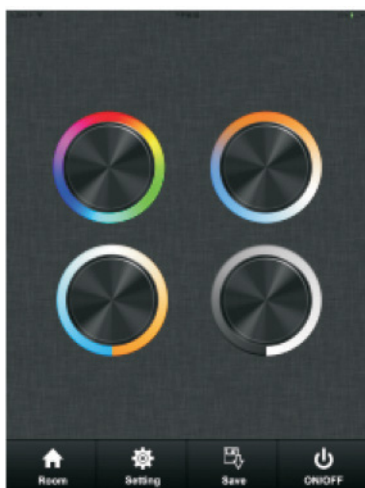
1. Slide the upper areas from top to down to choose color wheel from one to one. (P29,P30)



P29



P30

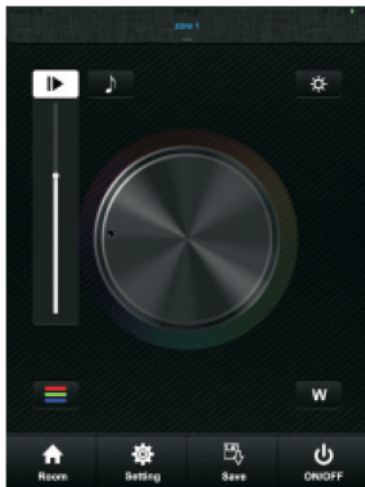


P31

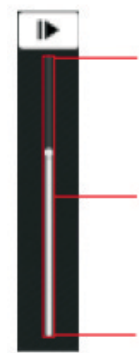
Or fast press twice to enter the color wheel selection interface to choose color wheel (P31)

Pause & Run Button (P32)

Running button exist in RGB, CDW color wheel interface. Press pause&run button, mode will run. Press it once, it runs one mode. Press button again, it stops, then press one more time, it will enter next mode. There are total 10 build-in modes. If we pressed color after we pause the running, the running mode will back form first one.



P32



Fastest speed

Moving speed adjustable

Lowest speed

Music



P33



LED lighting will move according the voice decibel nearby. Bigger decibel, faster speed. LED lighting will back to adjusted speed when no voice effect.



LED lighting will move according the level of music voice. Bigger decibel, faster speed. LED lighting will back to adjusted speed when no voice effect.

The highest,a low voice will affect the moving speed lowest




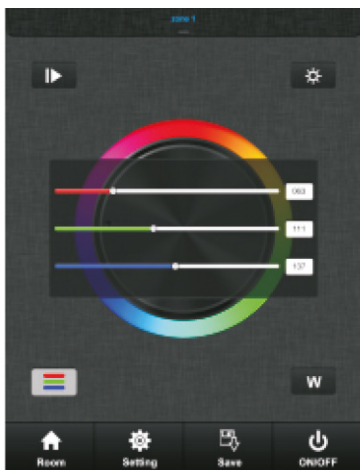
Voice Sensitivity

The lowest,need a high voice affect moving speed.

RGB/CDW brightness level line

This button exist in RGB/CDW interface.

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



P36

W- Button (White)

This button only exists in RGBW channels color wheel interface to adjust W channel brightness independently.

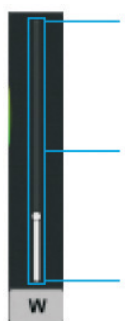


P37

long press W-button to switch ON/OFF the white channel independently.

Attention

Before adjust the color by color line, LED might in already in an existing color, so we need zero clearing each channel first:
moving each channel in any level between 1-225, then move it back to zero, then RGB lighting will off which means zero clearing successfully.



100% Brightness

W channel's
brightness level

1% brightness

Brightness Button

Brightness button exist in RGBW, RGB and DW color wheel interface.



P38

In RGBW color wheel interface, it only adjusts R, G and B three channels brightness, and cannot adjust W channel. We need use W button to adjust W channel brightness independently.





100% brightness

1% brightness


In RGB and DW color wheel interface, it adjusts all channels brightness.

Save Button

Save:

1. select rooms/zones
2. select color or moving modes
3. short press save button 
4. long press any button of S1-S8 
5. LED lighting will flash indicate save successfully.

Recall of saved colors/moving modes with the S1-S8 buttons:

1. select rooms/zones
2. short press save button 
3. short press button S1-S8 (which one you have saved before the selected color/moving mode)
4. LED will indicate saved color or moving modes

7. Safety warnings

1. The product shall be installed and serviced by a qualified person.
2. Please avoid directly sun and rain/wet conditions.
3. Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
4. Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
5. Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
6. Please ensure that the cable is secured tightly in the connector.
7. For update information please consult your supplier.