

# RF-WIFI transmitter(converter/controller) for SR-1009XX



SR-2818WITR-NEW



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## Product introduction

SR-2818WITR-NEW is a converter which works with Surnicher's receiver SR-1009FX series to be controlled by IOS or Android system via WIFI. IOS and Android application is similar, we will use IOS as an example in this manual.

## Parameter

Remote			
Part No.	Operation Voltage	Output	Operation frequency
SR-2818WITR-NEW	5-12VDC/5-36VDC	RF Signal	2.4G

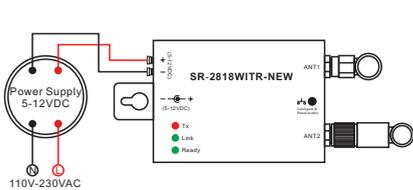
## Receiver

Part No.	Input Voltage	Current	Output	Remarks
SR-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
SR-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
SR-1009FA3	12-36VDC	4x0.35A	4x(4.2-12.6)W	Constant current
SR-1009FA7	12-36VDC	4x0.7A	4x(8.4-25.2)W	Constant current

## Brief introduction of buttons



## Installing wire diagram



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## Configure

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.



### Easylink to Router

- Mostly be use when converter installing place is easy to be accessed and need to control LED lighting by own house's WIFI.
- 1) iPhone/iPad connect to house's WIFI
  - 2) Enter easy lighting application
  - 3) Short press setting button (P2)
  - 4) Short press Easylink to router button (P3)

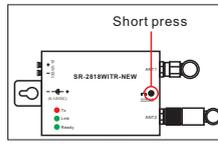


P2

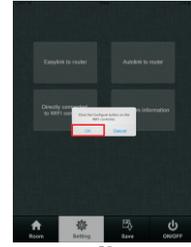


P3

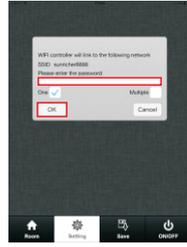
- 5) Short press the configure button on wifi converter(P4)
- 6) Press ok (P5)



P4



P5



P6

- 7) Enter password and then press ok (P6)
- 8) There will be a interface indicate successful, then press OK.

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## 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



P11



P12

5

## Directly connect to WIFI controller

- 6) Choose router we want connect
- 7) Enter password and then press OK (P13,P14)



P13



P14

## 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 (P2)
- 4) Press 'Directly connected to WIFI controller' (P15)
- 5) Press yes (P16).



P15



P16

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## Room editing

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



P17



P18

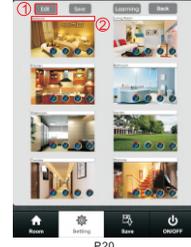


P19

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## a. Edit room/zone name

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



P20



P21

## b. 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
- 4) Take a picture
- 5) Click use photo (P23)
- 5) Press save button (P22)



P22

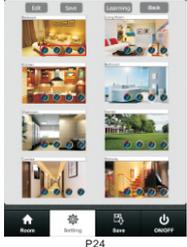


P23

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## c. Edit color wheel for corresponding LED lighting

- 1) Press Edit button (P24) there will be four different color wheel in lower right (P25)



P24



P25

- For RGBW LED lighting
- For CDW LED lighting
- For CCT led lighting
- For single color LED lighting



P26

P25

## d. Learning button

Manual for this button will be explained in next chapter.

## e. back button

After edit, click back button to return setting interface.

## Learning ( combining )

### a. Normal learning way

Learn

- 1) Selected any one room and there will be small mark on the upper right side.
- 2) Press room button (P27)
- 3) Press learning key (P28) on RF controllers SR-1009xx series
- 4) Touch the color wheel, LED lighting will blink to confirm room designation

Delete

Press at learning key (P28) on receiver(SR-1009Fxx) over 5 seconds until LED light flash, then delete the learned ID.

- 2) Long press learning key (P28) over 5 second until LED light blink

Delete

- 1) Enter to room editing page
- 2) Power off and on RF controller SR-1009XX
- 3) Short press the room which we want learning to
- 4) Short press the learning key (P28)
- 5) LED lighting will blink to confirm room designation

Delete

- 1) Power off and on RF controllers SR-1009faxx
- 2) Long press learning key (P28) over 5 second until LED light blink
- 3) Then deletes the learned ID

Attention: This way normally is used when the RF controllers SR-1009XX was installed in a place cannot be accessed.

## Manual

### a. Room button(P27,P28)

- 1) Choose Room button (P27)
- 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 will be selected.



P27



P28

- (P29) Long press middle of the room picture to on/off corresponding rooms/zones. There will be a red off mark (P29) on the right upper side of the room picture when the room is switched off.

### b. color wheel

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

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



P29



P30



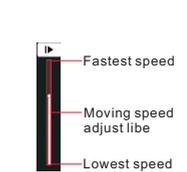
P31

- c. pause&run button(P32)

Running button exist in RGB, CDW color wheel interface, they are similar so here will take RGB as an example to explain.



P32



Attention Press pause&run button (P32), 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.

Long press the pause&run button (P32), LED lighting will flash twice, the color running in different zones will be switched from Synchronize moving to color chasing & color chasing to Synchronize running.



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**d. music**



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

LED lighting will move according to 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

When choose , it will open your local music palyer(P34,P35)

**e. RGB/CDW brightness level line**

This button exist in RGB/CDW interface, they are similar, so here will take RGB as an example to explain.



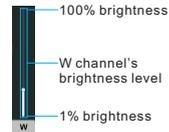
- 1)Short press the button
- 2)Brightness level can be adjusted from 0-255 to an accurate color.

**Attention**

**Before adjust the color by color line, LED might 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.**

**f. W button**

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



P37

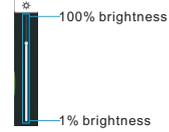
Long press W button to ON/OFF W channel independently.

**g. Brightness button**

Brightness button exist in RGB, CDW and CCT color wheel interface.



In RGB 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.



P38

In CDW and CCT color wheel interface, it adjusts all channels brightness.

**h. Save button**

**1.Save**

- 1)Select rooms/zones
- 2)Select color or moving modes
- 3)Short press save button
- 4)Long press any button of (S2 for example)
- 5)LED lighting will flash indicate save successfully.

**2.Recall**

- 1)Select rooms/zones
- 2)Short press save button
- 3)short press saved button in (S2 for example)
- 4)LED will indicate saved color or moving modes