

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



SR-2818WITR-NEW



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Product introduction

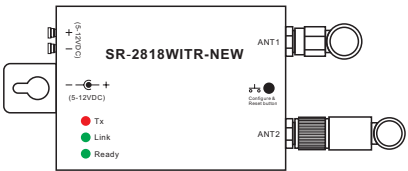
SR-2818WITR-NEW is a converter which works with Surnicher's receiver SR-1009FX series to be controlled by IOS or Android system via WIFI. IOS and Android application is similar, we will use IOS as an example in this manual.

Parameter

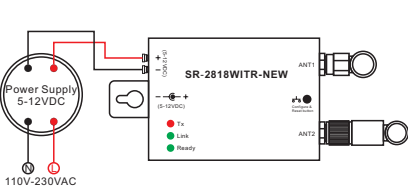
Remote			
Part No.	Operation Voltage	Output	Operation frequency
SR-2818WITR-NEW	5-12VDC/5-36VDC	RF Signal	2.4G

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



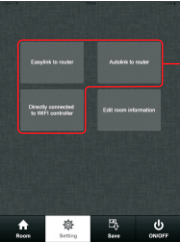
Installing wire diagram



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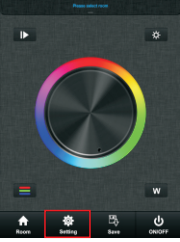
Configure

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)Phone/Pad connect to house's WIFI
2)Enter easy lighting application
3)Short press setting button (P2)
4)Short press Easylink to router button (P3)



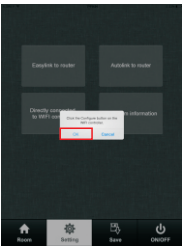
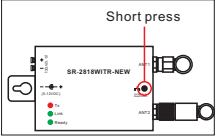
3

Three different ways to configure smart phone connect to converter:
1.Easylink to router
2.Autolink to router
3.Directly connected to WIFI controller



4

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



7)Enter password and then press ok (P6)

8)There will be a interface indicate successful, then press OK.

6

7

8

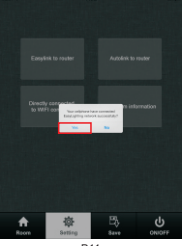
Autolink to router

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 button (P10)



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



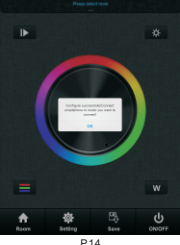
5

6)Choose router we want connect

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



P13

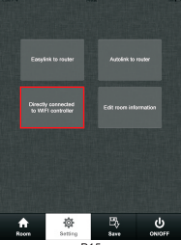


P14

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 (P15)
- 5)Press yes (P16).



P15



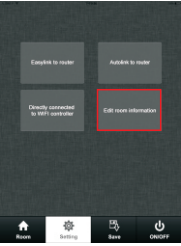
P16

Room editing

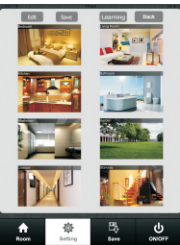
- 1.Short press setting button (P17)
- 2.Short press Edit room information button there will be room editing page as (P19)



P17



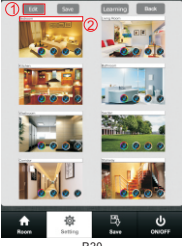
P18



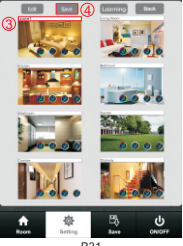
P19

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



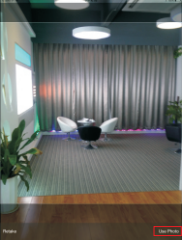
P21

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)



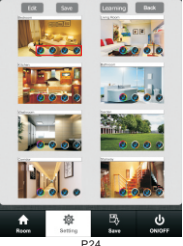
P22



P23

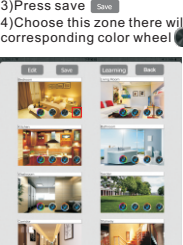
c. Edit color wheel for corresponding LED lighting

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

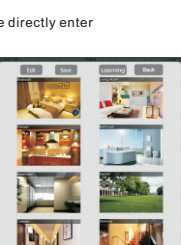


- For RGBW LED lighting
- For CDW LED lighting
- For CCT led lighting
- For single color LED lighting

- 2)Cancel the mark for other three color wheels and keep one (take single color as example) (P25)
- 3)Press save (P25)
- 4)Choose this zone there will be one directly enter corresponding color wheel (P26)



P25



P26

Attention

Different zones which were edited to different color wheel cannot be chose at same time.
Different Zones which were edited to same color wheel or did not be edited any color wheel can be selected at same time.

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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.

b. Special learning way: using learning key (P28) in room editing page.

This learning way can only be activated in 15 seconds after power on the controller.

Learn

- 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-1009fxxx
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.

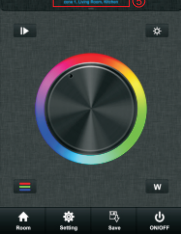
Manual

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 to confirm the rooms' selection
- 5) Upper area will indicate room's name we selected.



P27



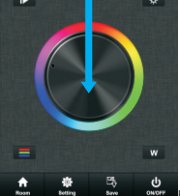
P28

(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.

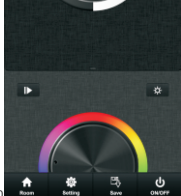
b. color wheel

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

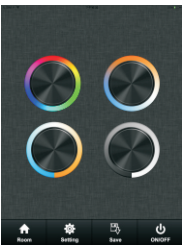
- 1)Slide the upper areas from top to down to choose color wheel from one to one. (P29,P30)



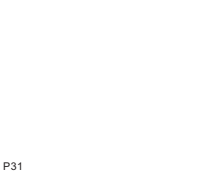
P29



P30



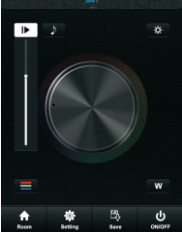
Or fast press twice to enter the color wheel selection interface to choose color wheel(P31)



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.

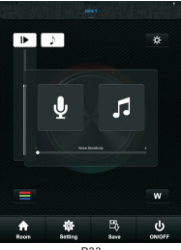


Running & Pause button

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.

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

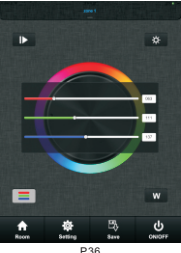
The lowest, need a high voice affect moving speed.




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 examle to explain.



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

Attention

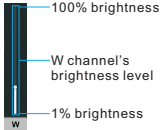
Before adjust the color by color line, LED might in already in an existing color, so we need zero clearing each channel first: moving each channel in any level between 1-225, then move it back to zero, then RGB lighting will off which means zero clearing successfully.

f. W button

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



P37




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

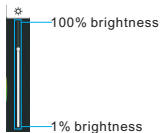
g. Brightness button

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



P38



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.





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