SR-2816RF/ SR-2816WIFI / SR-2816BL to DMX512 User Manual

SR-2816 is newest technology from SUNRICHER, it is highly reliable, cost-effective wall DMX Master.

SR-2816 combined wall control, RF Remote control / IOS/Android software control(WIFI &Bluetooth) , into one DMX system.

1.Brief introduction

1.1 It is with LAN port, of DMX signal output to DMX decoders though a RJ45 connector decoder. (SR-2102BEA Rj45)

1.2 Could receive RF & WIFI &bluetooth signal from RF remote / IOS/android program.("Real color" at App store)

1.3 Addresses could be easily set directly by the display board on the decoders. (SR-2102B and the series)

2.Performance Parameter

Part No.	Operation Voltage	Output	DIMENSIONS ø/h (mm)	REMARKS
SR-2816	12VDC	DMX512 Signal	75x165x38	Match SR-2818 remote
SR-2816Wi	12VDC	DMX512 Signal	75x165x38	Match IOS/Android
SR-2816BL	12VDC	DMX512 Signal	75x165x38	Match IOS/Android

3.Operation

3.1 Connect DMX decoder similar the wiring diagram

3.2 Set zones by DMX Addresses on decoders

SR-2816 has 8 zones, each zone has R G B W four addresses

Zone 1 should set the DMX address to 001, which means address 1-R, 2-G, 3-B, 4-W.

Zone 2 should set the DMX address to 005, which means address 5-R, 6-G, 7-B, 8-W.

Zone 3 should set the DMX address to 009, which means address 9-R, 10-G, 11-B, 12-W.

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Zone 8 should set the DMX address to 033, which means address 33-R, 34-G, 35-B, 36-W.

3.3 Learning ID(only for SR-2816)

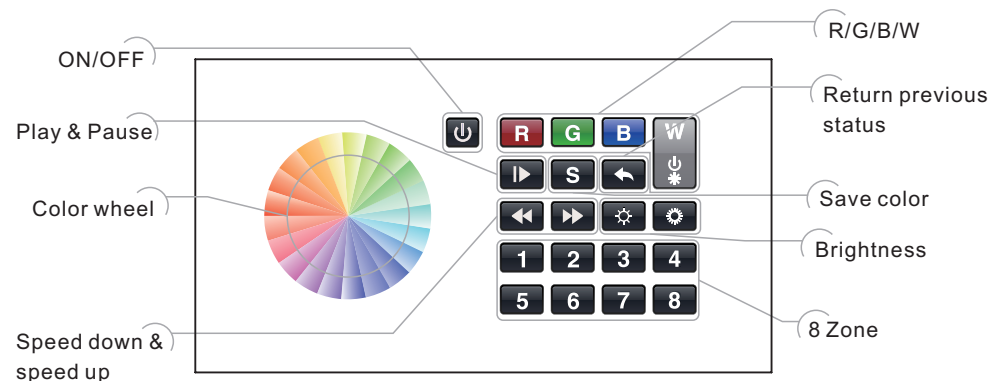3.3.1 Turn on the remote,the signal light will flash when you touch.

3.3.2 First press the Learning button on 2816,then touch any button on the remote.

3.3.3 Lights flashing means ID was learnt.

3.3.4 Long press the learning button 5-10 Seconds until it flash, then the ID would be released.

3.3.5 Play by Panel SR-2816

Brief introduction of buttons

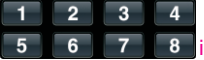**3.4** Touch [R G B W] button is to switch on/off of each corresponding color.

Hold your finger on [R G B W] button to dim brightness of each corresponding color. There are total 8 levels of brightness.

Note: If you press R, then press G, then it is mix color of R and G. If you want to get G color directly, please press R to switch off of R first. Then press G.

3.5 Touch [▶] button is to play mode or do pause operation of mode. There are 10 build-in modes in this button.

3.6 Touch [S] button is for saving color or mode at 1-8 buttons. Each zone (Each receiver) can save 8 modes or 8 colors. Operation is show as below:

Choose zone number [1 2 3 4 / 5 6 7 8] ----> Touch [I▶] button, mode is running -----> save

favorite mode to button [1 2 3 4 / 5 6 7 8] in 1 zone-----> touch [S] (over 2 seconds) to save program into zone until the blue indicator on.

Choose zone number [1 2 3 4 / 5 6 7 8] ----> Touch color wheel 🎨 to get favorite color

-----> save favorite color to button [1 2 3 4 / 5 6 7 8] in 1 zone-----> touch (over 2 seconds) to save color into zone until the blue indicator on.

If you want to play your saved color or mode, choose zone number from 1 to 8, then touch [S], then touch saved number in that zone. Then it will play.

3.7 Touch [↩] button to return previous color or running mode.

3.8 Touch [◀◀] button to speed down when mode is running, touch [▶▶] button to speed up when mode is running.

3.9 Touch [☼] button to dim down brightness of RGB channels, touch [☀] button to dim up RGB channels.

"W" channel is separated from RGB channels, so we can only long press [W] button to dimming "W" channel.

3.10 Touch [1 2 3 4 / 5 6 7 8] button one by one, such as press button 1,2,3,4,5,6, then

press [I▶] button, then saved color or mode in button 1,2,3,4,5,6 will run chasing mode one by one.

4. The difference among SR-2815, 2816& 2817 SR-1003RCDMX

SR-2815 is DMX signal output to connect DMX decoder.

Could be remote controlled by 2806(10zones RGBW), 2804(CCT dimming) 2809(RGB).

Multi-zone control by this DMX master would also need multi SR-2815s.

SR-2816 is a DMX wall master controller, with 8zones.

Zones could be set by DMX addresses, also could be RF and WIFI controlled by remote and IOS/android.

SR-2817 is AC DMX master of DMX signal output to connect DMX decoder. One 2817 could be individually controlled (8zones) by remote and WIFI, zones set by DMX address.

SR-1003RCDMX works as DMX decoder, connect led lightings directly and could be remote controlled by SR2806.

4. Wiring diagram