User Manual for SR-SPI

FC CE RoHS COMPLIANT warranty 5 years UL TUV SUD ISO9001: 2008

Feature

- Compatible with kinds of digital IC LED lights under the mode of DMX and RF system
- Work with different RF controllers and WIFI transmitter
- Standard DMX512 compliant control interface,enable to set DMX address easily

Parameter

Part No.	INPUT	CURRENT	OUTPUT	Remarks
SR-SPI	5-36VDC	0.2A Max	SPI Signal	DMX & RF

Product Size

Wiring diagram

1)Connection diagram under DMX system

2)Connection diagram under RF system

Operation

 Close circuit ▮ DMX for DMX mode (d-5 on the digital board)

 Open circuit ▮ RF for RF mode (F-5 on the digital board)

 I-t mode, setting the IC type of SPI
Long press 1st key for 5s to get I-t mode, then press the corresponding IC type.
There are totally 36 types for IC type:
036......TLS3002
035......TLS3001
034......TM1803
033......WS2803
032......LPD1101
031......D705
030......LPD8803(8 Bit MODE)
029......LPD8806(8 Bit MODE)
028......TM1804(LOW SPEED MODE)
027......P9813
026......UCS6912
025......UCS6909
024......UCS2912
023......UCS2909(HIGH SPEED MODE)
022......UCS2909(LOW SPEED MODE)
021......CS2903
020......UCS1912
019......UCS1903(HIGH SPEED MODE)
018......UCS1903(LOW SPEED MODE)
017......TM1829(HIGH SPEED MODE)
016......TM1829(LOW SPEED MODE)
015......TM1825(HIGH SPEED MODE)
014......TM1825(LOW SPEED MODE)
013......TM1809(HIGH SPEED MODE)
012......TM1809(LOW SPEED MODE)
011......TM1804(HIGH SPEED MODE)
010......WS2811(HIGH SPEED MODE)
009......WS2811(LOW SPEED MODE)
008......UCS1909(HIGH SPEED MODE)
007......UCS1909(LOW SPEED MODE)
006......LPD8806(7 Bit MODE)
005......LPD8803(7 Bit MODE)
004......LPD6803
003......WS2812
002......WS2801
001......TM1812

 t-c mode, setting the channel of SPI output
Press 1st and 2nd key simultaneously to show d-c,it will flash, then double press 1st and 2nd key again in 5s to show t-c on the digital display, and press the requested SPI channels, the range is 003-510 by the multiple of 3, such as 003, 006, 009,012......510.

L-t mode, setting the LED type
Press 1st and 2nd key simultaneously to get L-t mode, then press the corresponding LED type on the digital display.
There are totally 6 types LEDs:
RGB is 001
RBG is 002
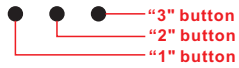GRB is 003
GBR is 004
BRG is 005
BGR is 006

Using instruction under DMX mode
Press 1st and 2nd key simultaneously to show d-c on the digital display,then press the requested DMX address, the range is 003-510 by the multiple of 3, such as 003, 006, 009,012......510.
Factory setting channel as 003,which matches with Sunricher DMX controller

Through buttons to set desired DMX512 address, 1 key is to set "hundreds" position, 2 is to set "ten" position, 3 is to set "a" bit.

"3" button
"2" button
"1" button
To open the connection of DMX512 controller, then it can work correctly.

Using instruction under RF mode
Learning (matching)
a. Do wiring according to connection diagram
b. Wake up the remote control by touching ON/OFF button.
c. Press learning button on receiver.
d. Touch any zone button on remote control.
e. Then touch color wheel.
f. Connected LED light will blink to confirm zone designation.
g. Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.
h.For multi-zones controlled, pls set one of receivers as master 🖥 🖥
                                                                    MASTER SLAVE

Safety & Warnings

1) The product shall be installed and serviced by a qualified person.

2) IP20.Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.

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.

Warranty Agreement

1) We provide lifelong technical assistance with this product:

● 5-year warranty. We print date on every products, for example :1125 means year 2011,week 25.The warranty is for free repair or replacement and covers manufacturing faults only.

● For faults beyond the 5-year warranty we reserve the right to charge for time and parts.

2) Limited Warrenty

● Any defects caused by wrong operation.

● Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.

● Any damages due to transportation, vibration etc. after purchase.

● Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.

● Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.

● Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.