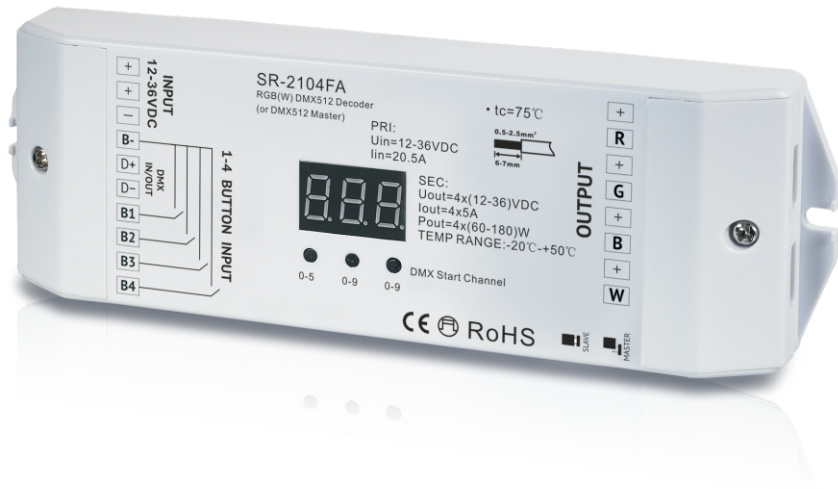# RGB/W DMX512 decoder
SR-2104FA/SR-2104EA/SR-2104FA3/SR-2104FA7
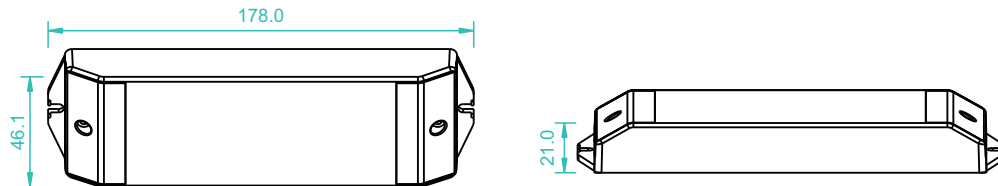

Feature

- Max. 4CH
- Smart Push Dim
- Master&Slave mode
- Set and show address Via digital numeric display.
- In compliance with DMX512 Master from other international incorporation.
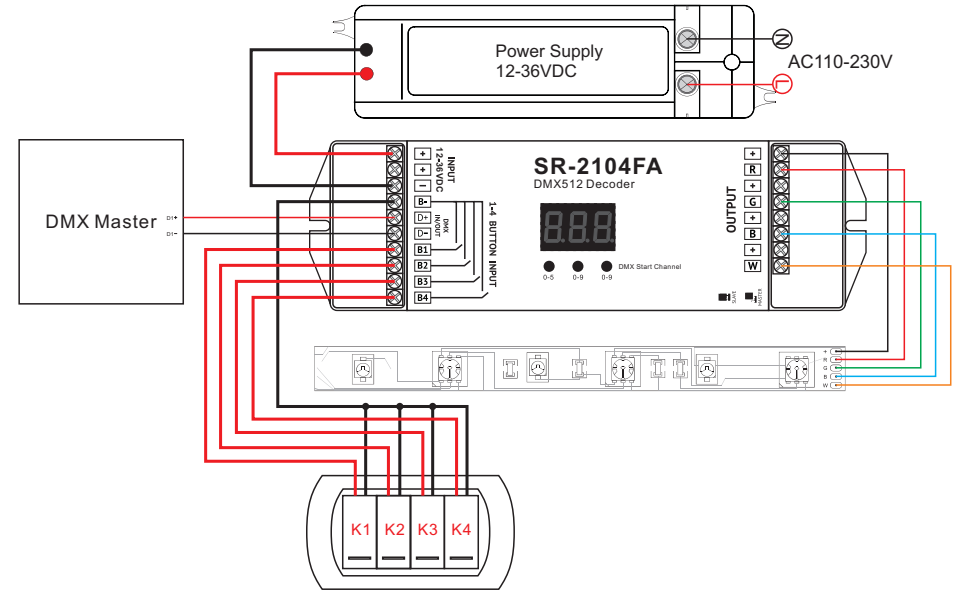- Compatible with SR-2811DMX,SR-2201DMX,SR-2812,SR-2816 and any good quality DMX Master

Parameter

Part No.	Input Voltage	Output Current	Output Power	Remarks
SR-2104FA	12-36VDC	4x5A	4x(60-180)W	Constant Voltage
SR-2104EA	12-36VDC	4x8A	4x(96-288)W	Constant Voltage
SR-2104FA3	12-36VDC	4x0.35A	4x(4.2-12.6)W	Constant Current
SR-2104FA7	12-36VDC	4x0.7A	4x(8.4-25.2)W	Constant Current

Product Size

Wiring diagram

Note: ▪◼SLAVE ◼▪MASTER **Jumper(select slave mode or master mode)**

Operation

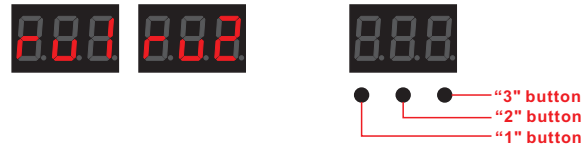SR-2104 series is a powerful DMX products,Master&Slave mode available,can be controlled by wall push switch buttons.

Under SLAVE MODE status
User slave mode,it shows address of DMX decoder.There must be a DMX signal before you can start changing the DMX address.One power on,it shows default address 001.

Set DMX address:
Directly press the 3 button to set the required DMX address.
"1"button is to set"hundreds" position,"2" is to set"ten" position,"3" is to set "a"bit.

"3" button
"2" button
"1" button

Under MASTER MODE status

1. Under MASTER MODE status, there are 4 programs. It shows "H_1(2, 3, 4). Choose program by pressing 3rd black button.

2. Under MASTER MODE status, SR-2104XX can send 40 data. It's from 1 to 40. Data 1 is the data of R channel. Data 2 is the data of G channel. Data 3 is the data of B channel. Data 4 is the data of W channel. All dmx decoder needs 4 address as a group, such as 1-4, 5-8,9-12,13-16,17-20,21-24,25-28,29-32,33-36,37-40.

3. Memory function. (stay at last status when switch off or power off)

(1) Program 1

Display shows "H_1" (ON) or "HoF" (OFF).
Under program 1, only K1 can work.
K1- Brief press: switch on/off
- Hold press down: dimming R/G/B/W 4 channels brightness from 0 to 100% range.

(2) Program 2

Display shows "H_2" (ON) or "HoF" (OFF)
Under program 2, K1 & K2 work.

K1 -Brief press:switch on/off 4 channels.
Hold press down:dim R&B channels

K2 -Hold press down:dim G&W channels.

(3) Program 3

Display shows "H_3"(ON) or "HoF"(OFF)
Under program 3, K1 &K2 work.
K1-Brief press: switch on/off of all channels.
 -Hold press down: dimming brightness of R channel from 0 to 100% range.
K2-Brief press: under running status, it's pause function.
  -Hold press down: under static status, dimming brightness of G channel from 0 to 100% range.

K1 & K2-Brief press: Enter into running status.
    -Hold press down: under static status, dimming brightness of B channel from 0 to 100% range.

(4) Program 4

Display shows "H_4" (ON) or "HoF" (OFF)
Under program 4, K1 & K2 & K3 & K4 work.
K1-Brief press: switch on/off of all channels.
  -Hold press down: dimming brightness of Y channel from 0 to 100% range.
K2- Brief press: Under running status, brief press is to do pause operation. Brief press again, running mode starts again.
  -Hold press down: dimming brightness of R channel from 0 to 100% range.
K3-Brief press: speed up under running status.
  -Hold press down: dimming brightness of G channel under static status.
K4-Brief press: speed down under running status.
  -Hold press down: dimming brightness of B channel under static status.

K3 & K4-Brief press together: under static color, brief press is to enter into running mode.

Note: Please choose twist pair or ethernet cable as DMX signal line.

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 3-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.