

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



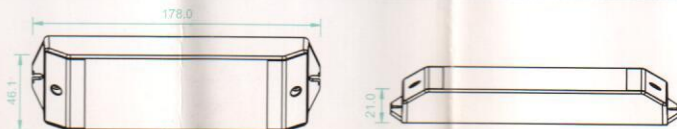
## Feature

- 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

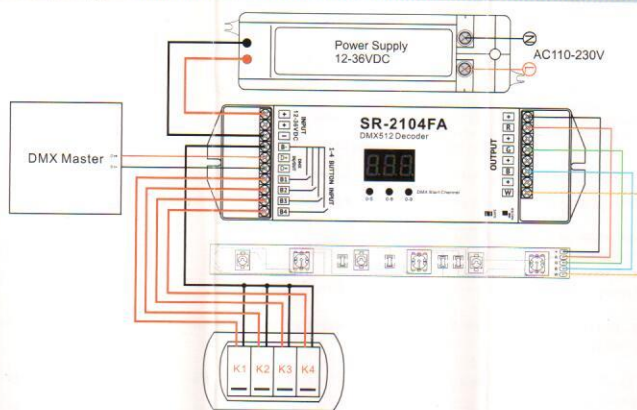
## Parameter

Part No.	INPUT	CURRENT	OUTPUT	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: Jumper(select slave mode or master mode)

## Operation

### Under SLAVE MODE status

Under slave mode, it shows address of DMX decoder. There must be a DMX signal before you can start changing the DMX-address. Once power on, it shows default address 001. Address range: 001-512.

### 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.

#### (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.

K1- Brief press: switch on/off of R/B channels.

- Hold press down: dimming R/B channels brightness from 0 to 100% range.

K2- Brief press: switch on/off of G/Y channels.

- Hold press down: dimming G/Y channels brightness from 0 to 100% range.

K1/K2 – Brief press together: 50% R(B) + 50% G(Y), brief press together again: 100%R(B), brief press together again: 100%G(Y).

Note: Under this program, connect R/B with the cool white strip, connect G/Y with warm white strip, it can dim different white strip.

### 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:

● 3-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 Warranty

● 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.