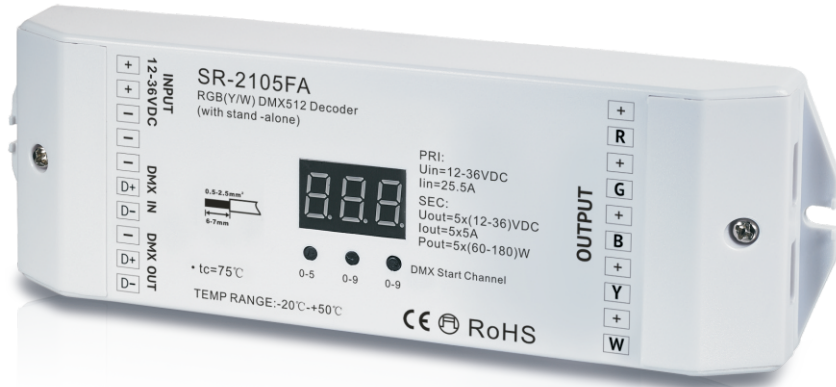


RGB/W DMX512 decoder

SR-2105FA/SR-2105EA/SR-2105FA3/SR-2105FA7



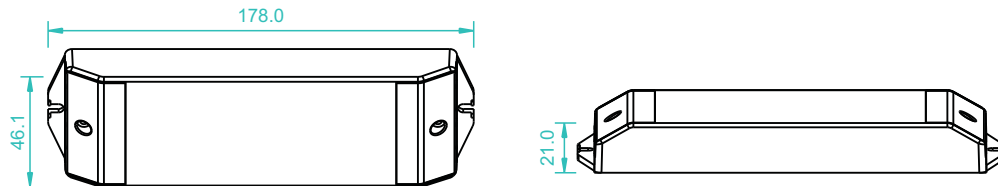
Feature

- Max. 5CH.
- With stand-alone mode.
- Set and show address Via digital numeric display.
- Can adjust brightness per channel.
- 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

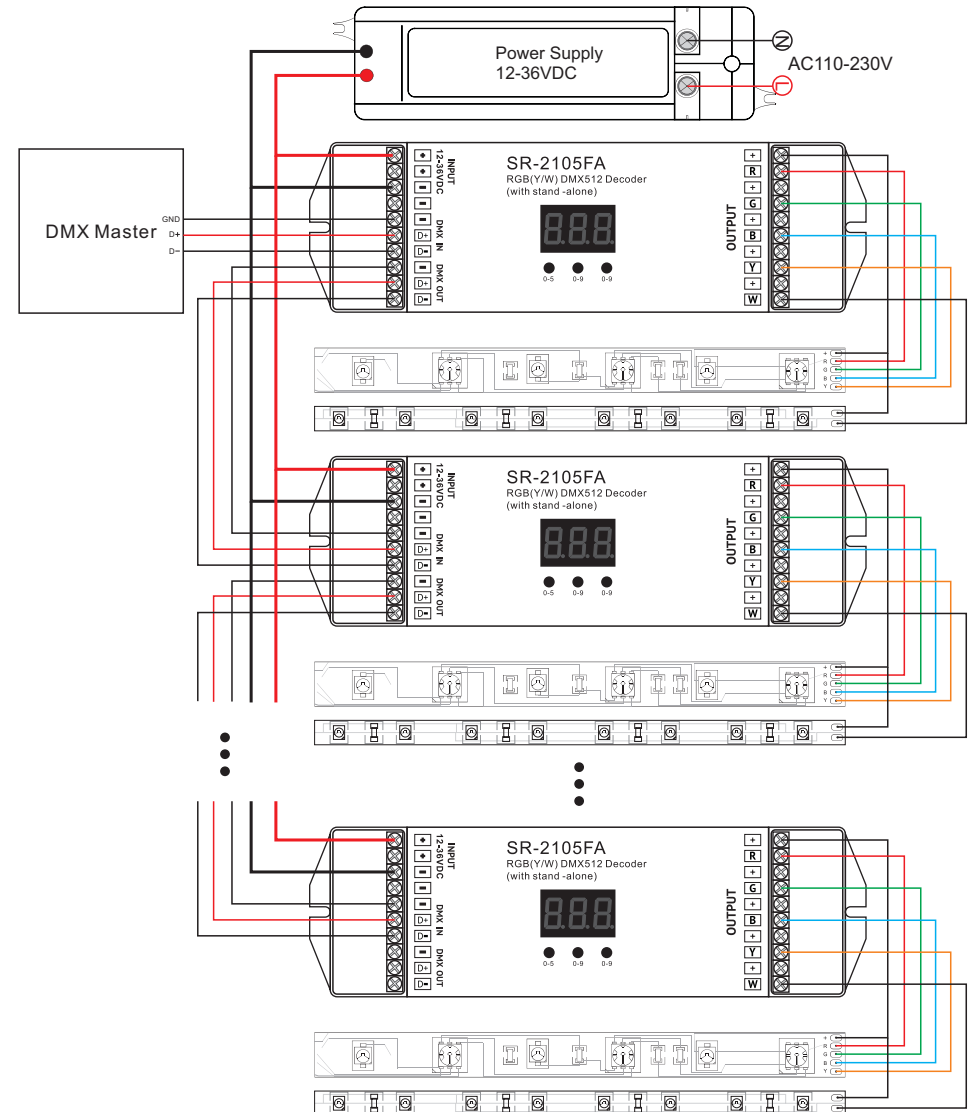
Parameter

Part No.	Input Voltage	Output Current	Output Power	Remarks
SR-2105FA	12-36VDC	3/4/5x5A	3/4/5x(60-180)W	Constant Voltage
SR-2105EA	12-36VDC	3/4/5x8A	3/4/5x(96-288)W	Constant Voltage
SR-2105FA3	12-36VDC	3/4/5x0.35A	3/4/5x(4.2-12.6)W	Constant Current
SR-2105FA7	12-36VDC	3/4/5x0.7A	3/4/5x(8.4-25.2)W	Constant Current

Product Size



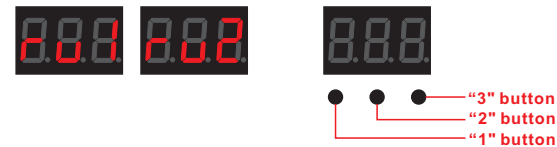
Wiring diagram



Operation

Choose mode:

Hold on "1" and "2" button for 2 seconds, r,u digital display flashes, press "3" button to choose ru1 or ru2. (ru1 means stand alone mode, ru2 means slaver mode. Press any button for 2 seconds to confirm the mode you need.





Choose Channel

Hold on "2" and "3" button for 2 seconds, cH digital display flashes, then press "1" button to choose 1/2/3/4/5, press any button for 2 seconds to confirm the cH setting. The factory preset default is 5cH.
 1cH means 1 address, R, G, B, Y, W channel with the same address;
 2cH means 2 addresses, R&G&B&Y channel work, R&B with same address, G&Y with same address;
 3cH means 3 addresses, R&G&B channel with 3 different addresses;
 4cH means 4 addresses, R&G&B&Y with 4 different addresses;
 5cH means 5 addresses, R&G&B&Y&W with 5 different addresses.

Set DMX address

Press any button for 2 seconds, digital display flashes to set the required DMX address, then press any button for 2 seconds to confirm.
 "1" button is to set "hundreds" position, "2" is to set "ten" position, "3" is to set "a" bit.

Choose PWM frequency

Press 1st button and 3rd button for 2 seconds, digital display flashes to show P-c.
 P means PWM frequency, press 1st to show "1", means 150Hz, "2" means 200Hz.
 c means dimming options, press 3rd to show "1", means logarithmic dimming, "2" means linear dimming.

The factory preset default is PWM frequency 200Hz with linear dimming. **2-2**



Operation under stand-alone mode

Under stand-alone mode, DMX512 device can be operated as an independent dimming controller, there is no need DMX512 signal. The function as follows:

If you choose ru1, after you press any button to confirm, the board will display P00.

Operation under DMX512 Slave mode

Under this mode, DMX512 device is just a standard DMX512 slave, it can connect DMX512 master with DMX512 signal input port. Dimming lighting are operated by DMX512 master.

Through buttons to set desired DMX512 address, the digital numeric display the starting address. For example: the digital numeric display 001, it means this DMX slave include 001, 002, 003, 004, 005 addresses. (under situation of 5ch)



P Moving mode

the first number after P, it can adjust moving mode, total 10 kinds of modes, from P0-P9, press P button, P will be flashing, then you can choose 0-9 (10 modes). The second number after P, it can be used to adjust moving speed. Total 10 levels of speed. Press P for 2 seconds, P button will be flashing, then you can choose number 0-9 to adjust speed. For example: P27: means P2 moving mode, speed level is 7.



C mode

Press the first button, the digital board will show C, it means DMX512 device enter into C mode. Under this mode, it can adjust fixed colors independently, the fixed color has 8 kinds (C1-C8: red, orange, yellow, green, cyan, blue, purple). The second number after C stands for brightness of color, 8 levels brightness, 1 is the darkest, 8 is the brightest.



R mode

Press the first button, the digital board will show r, it means DMX512 device enter into r mode. Under this mode, it can adjust brightness of the first channel from 0%-100%. Press r button for 2 seconds, r will be flashing, then you can choose brightness you want. 00:0%, FF:100%.



G mode

Press the first button, the digital board will show G, it means DMX512 device enter into G mode. Under this mode, it can adjust brightness of second channel from 0%-100%. Press G button for 2 seconds, G will be flashing, then you can choose brightness you want. 00:0%, FF:100%.



B mode

Press the first button, the digital board will show B, it means DMX512 device enter into B mode. Under this mode, it can adjust brightness of third channel from 0%-100%. Press B button for 2 seconds, B will be flashing, then you can choose brightness you want. 00:0%, FF:100%.



Y mode

Press the first button, the digital board will show Y, it means DMX512 device enter into Y mode. Under this mode, it can adjust brightness of fourth channel from 0%-100%. Press Y button for 2 seconds, Y will be flashing, then you can choose brightness you want. 00:0%, FF:100%.



U mode

Press the first button, the digital board will show U, it means DMX512 device enter into U mode. Under this mode, it can adjust brightness of fifth channel from 0%-100%. Press U button for 2 seconds, U will be flashing, then you can choose brightness you want. 00:0%, FF:100%.

Note: P, C, R, G, B, Y, U mode will be a loop.

Warranty Agreement

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

Safety & Warnings

- The product shall be installed and serviced by a qualified person.
- IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- Please ensure that the cable is secured tightly in the connector
- For update information please consult your supplier.