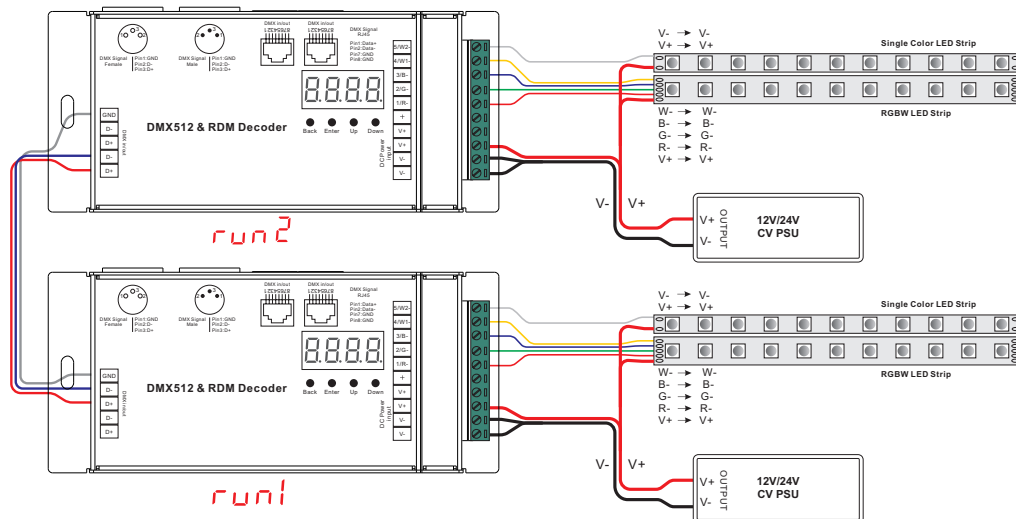**Features:**

- 5-Channel DMX512/RDM LED Controller
- DMX12 and RDM compatible
- Master/Decoder mode switchable
- 5 channels, maximum 8A per channel
- Metal housing with digital interface
- Constant Voltage with PWM output
- Adjustable PWM refresh rate and resolution
- DC Input/Output range: 12~24VDC
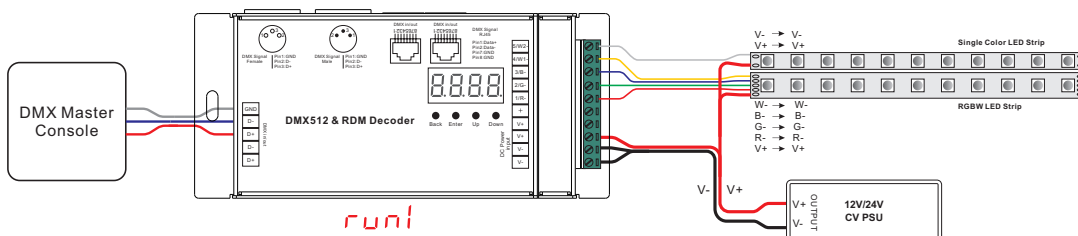- IP20 : Ingress protection rating
- 2 year warranty

Model		SR-2108B-M5-5		
	No.	1	2	3
Product Data	Input Voltage	12~24VDC	12~48VDC	12~48VDC
	Output Current	5x8A	5x350mA	5x700mA
	Output Power	5x(96-192)W	5x(4.2-16.8)W	5x(8.4-33.6)W
	Remarks	Constant Voltage	Constant Current	Constant Current
	Size	164*73*38mm (L*W*H)		
	Protections	Short circuit	Short circuit	Short circuit
Safety & Warnings	• DO NOT Install with power applied to the device • DO NOT expose the device to moisture			
Notes	• Master & decoder mode, RDM function • Metal housing, digital display to show data directly, easily to set and show DMX address. • With multiple kinds of DMX in/out ports: RJ 45, XLR , normal screws. • Total 5 PWM output channels, common anode. DMX channel quantity 1CH~5CH settable.		• PWM output resolution ratio 8bit , 16bit settable. • Output PWM frequency from 500HZ ~ 35K HZ settable. • Output dimming curve gamma value from 0.1 ~ 9.9 settable. • Decoding mode settable. • Galvanic isolation	

Wiring Diagram

1.Work as Master mode

Note:

1) The terminal blocks used for the input have two spaces for Voltage + and two spaces for GND which allow for the huge current capability this unit has 5 X 8A = 40 AMPS of power!

2) Please make sure that the stripped wires are fully inserted into the terminal blocks and screws are tightened!

2.Work as Decoder mode

ADM Systems Pty Ltd   **E** sales@admtech.com.au   **T** 1300 236 467

Operation

Before you do other settings, please set the device to be Master or Decoder mode.

run1 = DMX Decoder mode , run2 = DMX Master mode (stand alone).

Keep on clicking Down button, to get run1 or run2, then click Enter, then click Down

button to choose 1 or 2, then click Back button.

8.8.8.8.

● Back   ● Enter   ● Up   ● Down

I. For run2 DMX Master mode: Keep on clicking Up button, you will find following menus on display

01.01 Means brightness for each output PWM channel. First 1 means PWM output channel 1 and it is selectable from 1 to 5 by clicking "UP" or "Down" button. Second 01 means brightness level, click "Enter" button, the display flashes, then click "UP" or "Down" button to select from 00-99-FL, which means 0%-99%-100% brightness, then click "Back" button to confirm.

P.XXX Means programs, total 1~31 programs

b-.XX Means RGB running effect's brightness, total 1~8 levels brightness.

SP-X Means effect play speed. Total 1~9 programs:

P-XX means RGB color changing modes, total 31 programs:

00- RGB off
01- Static red
02- Static green
03- Static blue
04- Static yellow (50% red+50% green)

05- Static orange (75% red+25% green)
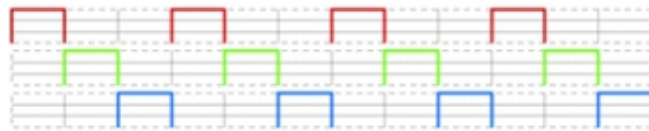06- Static cyan (50% green+50% blue)
07- Static purple (50% blue+50% red)
08- Static white (100% red+100% green+100% blue)

09 - Any two colours of RGB mix fade, changing diagram as follows:

10 - RGB colours mix fade, chanding diagram as follows:

11 - RGB FADE OUT & IN, changing diagram as follows:

12 - RGB jump changing: changing diagram as follows:

13 - RGB FADE IN, changing diagram as follows:

14- RGB FADE OUT, changing diagram as follows:

15- RGB 3 colors strobe
16- White color strobe (100% red+100% green+100% blue)
17- 7 colors FADE OUT & FADE IN (red, orange, yellow, green, cyan, blue, purple FADE OUT & FADE IN)
18- 7 colors jump changing (red, orange, yellow, green, cyan, blue, purple jump changing)
19- 7 colors strobe (red, orange, yellow, green, cyan, blue, purple strobe)
20- Red-white (100% red+100% green+100% blue) circle gradual changing
21- Green-white (100% red+100% green+100% blue) circle gradual changing

22- Blue-white (100% red+100% green+100% blue) circle gradual changin
23- Red-orange circle gradual changing
24- Red-purple circle gradual changing
25- Green-yellow circle gradual changing
26- Green-cyan circle gradual changing
27- Blue-purple circle gradual changing
28- Blue-cyan circle gradual changing
29- Red-yellow-green circle gradual changing
30- Red-purple-blue circle gradual changing
31- Green-cyan-blue circle gradual changing

II. For run1 DMX decoder mode: Keep on clicking Up button, you will find following menus on display:

DMX signal indicator ● : When DMX signal input is detected, the indicator on the display following after $\boxed{A}$ turns on red $\boxed{A}$.XXX , if there is no DMX signal input, the indicator will not turn on, and the character $\boxed{A}$ will flash.

$\boxed{8.8.8.8.}$ You will get this after power on the decoder, it means this decoder supports firmware OTA update function.

$\boxed{A}$.XXX   Means DMX address. factory default setting is 001.

$\boxed{C.H}$.XX   Means DMX channels quantity. factory default setting is Ch05.

$\boxed{b.E}$.XX   Means Bit (8bit or 16bit). factory default setting is 16bit.

$\boxed{P.F}$.XX   Means output PWM frequency. factory default setting is 1K HZ.

$\boxed{9.A}$.XX   Means output dimming curve gamma value, factory default setting is ga 1.5.

$\boxed{d.P}$.XX   Means Decoding mode, factory default setting is dp1.1

By holding button Back + Enter together at the same time over 5 seconds until the display goes off, it will restore to default settings.