

SPECIFICATION SHEET SR-2108-M5-5

FEATURES

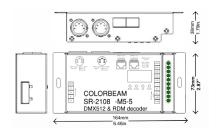
- SR-2108-M5-5 decoder, RDM function can realize intercommunication between DMX master and decoder; you can set DMX decoder's address with DMX master console
- Metal housing, digital display to show data directly, easy to set and show DMX address.
- Multiple DMX IN/OUT ports: RJ45, XLR5, 5 pin terminal block
- Total 5 PWM output channels, common anode. DMX channel quantity from CH1-CH5 settable.
- PWM output resolution ratio 8bit, 16bit settable.
- Output PWM frequency from 500 HZ / 30K HZ settable.
- Output dimming curve gamma value from 0.1 /9.9 settable
- Decoding mode settable
- Galvanic isolation

CHANNELS	5					
OHANNELS	•					
POWER SUPPLY	External - Meanwell variaty, 96W to 320W power supply selectable. use only one power supply for one decoder.					
DRIVER SEC TOTAL OUTPUT EACH OUTPUT	Max. 40.5A 8A each ch. 96-192W each ch.					
ZONES *VARIABLE TO THE POWER REQUIRED FOR THE LUMINARIES	5 zones for White-only 1 zone for Bi-white 1 zone for RGB 1 zone for RGBW					
MASTER & DECODER MODE	run 1 only					
DMX IN/OUT PORTS	RJ45, XLR5, 5 pin terminal block					
PRODUCT COMPATIBILITY	Giulia, Roma, LED Tape, LED Panel, FL Series, LL Series, Tega-IN, Tega-DR, Tega-SP, Gaia, Maya and Duomo					
CABLE	SPEAK CABLES: 2 CONDUCTORS FOR WHITE-ONLY; 3 CONDUCTORS For tunable white; 4 conductors for RGB; 5 conductors for RGBW					

DMX CONTROLLER SR-2108-M5-5

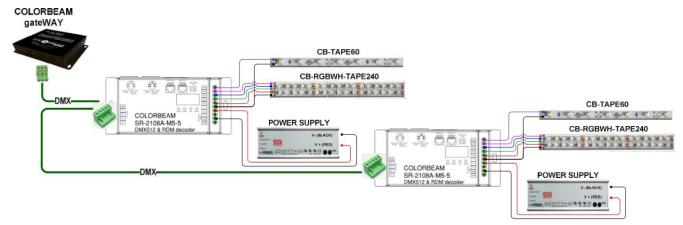








WIRING DIAGRAM



Button introduction

You can travel thru menu using Up and Down buttons.

Press Enter to select.

Press Back to go back to main menu.

Here are menu options:

 $\{ \{ \} \} \} \in \mathbb{R}$ Channel quantity: factory default channels number is CH05.

HHXX Bit: factory default is 16bit.

hinspace hin

BRXX Output dimming curve Gamma value: factory default is ga 1.5

To restore to default factory settings: hold both Back and Enter buttons for 5 seconds. Display will go off and vour unit is restored.

1. DMX address setting:

Select menu RXXX press Enter, display flashes, click Up or Down to set DMX address. (click is slow, hold go fast)

To confirm, press Back.

2. DMX channel quantity setting:

Select menu FRXX press Enter, display flashes, click **Up** or **Down** to set DMX channel quantity. Choose desire setting and click Back to confirm.

Example: Unit with DMX address already set at 1.

CH01= 1 DMX address: for all output channels, each output is addressed to 001.

CH02= 2 DMX addresses: outputs 1 & 3 are addressed at 001, outputs 2, 4 &5 are addressed to 002.

CH03= 3 DMX addresses: outputs 1, 2 use address 001, 002, outputs 3, 4 & 5 are addressed to 003.

CH04= 4 DMX addresses: outputs 1, 2, 3 use address 001, 002, 003, outputs 4 & 5 are addressed to 004.

CH05= 5 DMX addresses: each outputs have its own address 001, 002, 003, 004, 005.

www.colorbeamlighting.com

Back Enter Up



3. PWM output resolution Bit setting:

Select menu \[\frac{1}{2} \frac{1}{2} \times \text{X} \text{ press Enter, display flashes, click Up or Down to choose 08 or 16 bit.} \] Click Back to confirm.

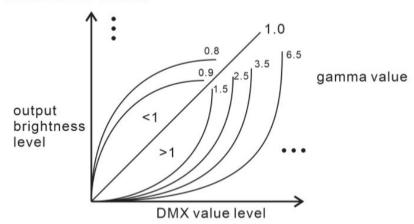
4. Output PWM frequency setting:

Select menu \bigcap XX press **Enter**, display flashes, click **Up** or **Down** to choose $00 \sim 30$. Click Back to confirm.

00= 500Hz, 01= 1KHz, 02= 2KHz, ..., 30= 30KHz.

5. Output dimming curve gamma value setting:

Select Menu $\frac{1}{2}$ XX press **Enter**, display flashes, click **Up** or **Down** to choose 0.1 ~ 9.9. Click Back to confirm.



6. DMX decoding mode setting:

Select menu $\mathbb{R} \times \mathbb{R}$ press **Enter**, display flashes, click **Up** or **Down** to choose the decoding mode. Click Back to confirm.

*CH (DMX channel quantity) should already be set prior setting decoding mode.

CH01, ADD: 001

DMX CH	DECC	DING MODES			VALUE PERCENT		FUNCTION	
QTY	dP 1.1	dP 2.1	X	X	VALUE	PERCEIVI	FONCTION	
CH01	CH01 001		X	Х	0 - 255	0 - 100	All 5 outputs dimming 0 - 100 %	
·		001	Х	Χ	0 - 255	0 - 100	All 5 outputs dimming 0 - 100 %	
		002	Х	Χ	0 - 255	0 - 100	All 5 outputs fine dimming 0 - 100%	



CH02, ADD: 001

DMX CH	C	ECODING MO	ODES		VALUE	ALUE PERCENT	FUNCTION
QTY	dP 1.1	dP 2.1	dP 3.2	X	VALUE		
CH02	001	Х	X	Χ	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
002		X	X	Χ	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
		001	X	Χ	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
		002	X	Χ	0 - 255	0 - 100	Output 1 & 3 fine dimming 0 - 100%
		003	X	Χ	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
		004	X	Χ	0 - 255	0 - 100	Output 2, 4 & 5 fine dimming 0 - 100%
			001	Χ	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
			002	Χ	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
	003	Х	0 - 255	0 - 100	All output dimming 0 - 100 %		

CH03, ADD: 001

DMX CH		DECODIN	G MODES		VALUE	PERCENT	FUNCTION
QTY	dP 1.1	dP 2.1	dP 4.3	dP 5.3	VALUE	PERCEIVI	FONCTION
CH03	001	Х	Х	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	Х	Χ	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
	003	X	Х	X	0 - 255	0 - 100	Output 3, 4 & 5 dimming 0 - 100%
18		001	Χ	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
		002	X	X	0 - 255	0 - 100	Output 1 fine dimming 0 - 100%
		003	Χ	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
		004	X	X	0 - 255	0 - 100	Output 2 fine dimming 0 - 100%
		005	Χ	Х	0 - 255	0 - 100	Output 3, 4 & 5 dimming 0 - 100%
		006	Χ	X	0 - 255	0 - 100	Output 3, 4 & 5 fine dimming 0 - 100%
			001	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
			002	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
			003	Χ	0 - 255	0 - 100	Output 3, 4 & 5 dimming 0 - 100%
			004	Х	0 - 255	0 - 100	All output master dimming 0 - 100%
			005	Х	0 - 255	0 - 100	All output dimming 0 - 100 %
			500	001	0 - 255	0 - 100	Output 1 dimming 0 - 100%
				002	0 - 255	0 - 100	Output 2 dimming 0 - 100%
				003	0 - 255	0 - 100	Output 3, 4 & 5 dimming 0 - 100%
				004	0 - 255	0 - 100	All output master dimming 0 - 100%



CH04 ADD: 001

CH04, A	DD: 001						
DMX CH		DECODIN			VALUE	PERCENT	FUNCTION
QTY	dP 1.1	dP 2.1	dP 5.4	dP 6.4	***************************************		
CH04	001	X	X	X	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	X	Χ	Χ	0 - 255	0 - 100	Output 2 dimming 0 - 100%
	003	X	X	X	0 - 255	0 - 100	Output 3 dimming 0 - 100%
	004	X	X	X	0 - 255	0 - 100	Output 4 & 5 dimming 0 - 100%
		001	X	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
		002	X	X	0 - 255	0 - 100	Output 1 fine dimming 0 - 100%
		003	X	X	0 - 255	0 - 100	Output 2 dimming 0 - 100%
		004	X	X	0 - 255	0 - 100	Output 2 fine dimming 0 - 100%
		005	X	X	0 - 255	0 - 100	Output 3 dimming 0 - 100%
		006	X	X	0 - 255	0 - 100	Output 3 fine dimming 0 - 100%
		007	X	X	0 - 255	0 - 100	Output 4 & 5 dimming 0 - 100%
		800	X	X	0 - 255	0 - 100	Output 4 & 5 fine dimming 0 - 100%
			001	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
			002	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
			003	X	0 - 255	0 - 100	Output 3 dimming 0 - 100%
			004	X	0 - 255	0 - 100	Output 4 & 5 dimming 0 - 100%
			005	X	0 - 255	0 - 100	All output master dimming 0 - 100%
				001	0 - 255	0 - 100	Output 1 dimming 0 - 100%
				002	0 - 255	0 - 100	Output 2 dimming 0 - 100%
				003	0 - 255	0 - 100	Output 3 dimming 0 - 100%
				004	0 - 255	0 - 100	Output 4 & 5 dimming 0 - 100%
				005	0 - 255	0 - 100	All output master dimming 0 - 100%
				006	0 - 255	0 - 100	Strobe effects



CH05. ADD: 001

	-	CODING MODES		VALUE	PERCENT	FUNCTION
dP 1.1	dP 2.1	dP 5.4	dP 6.4	VALUE		Tonerion
001	Х	Х	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
002	Χ	X	Χ	0 - 255	0 - 100	Output 2 dimming 0 - 100%
003	X	Х	Χ	0 - 255	0 - 100	Output 3 dimming 0 - 100%
004	Χ	Χ	Χ	0 - 255	0 - 100	Output 4 dimming 0 - 100%
005	X	X	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
50	001	Х	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	Х	Х	0 - 255	0 - 100	Output 1 fine dimming 0 - 100%
	003	Х	Χ	0 - 255	0 - 100	Output 2 dimming 0 - 100%
	004	Х	Х	0 - 255	0 - 100	Output 2 fine dimming 0 - 100%
	005	Х	Х	0 - 255	0 - 100	Output 3 dimming 0 - 100%
	006	X	Х	0 - 255	0 - 100	Output 3 fine dimming 0 - 100%
	007	Х	Х	0 - 255	0 - 100	Output 4 dimming 0 - 100%
	008	Х	Х	0 - 255	0 - 100	Output 4 fine dimming 0 - 100%
	009	Х	Х	0 - 255	0 - 100	Output 5 dimming 0 - 100%
	010	Х	Х	0 - 255	0 - 100	Output 5 fine dimming 0 - 100%
		001	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
		002	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
		003	Х	0 - 255	0 - 100	Output 3 dimming 0 - 100%
		004	X	0 - 255	0 - 100	Output 4 dimming 0 - 100%
		005	Х	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		006	Х	0 - 255	0 - 100	All output master dimming 0 - 100%
		Maria Cara Cara Cara Cara Cara Cara Cara	001	0 - 255	0 - 100	Output 1 dimming 0 - 100%
			002	0 - 255	0 - 100	Output 2 dimming 0 - 100%
			003	0 - 255	0 - 100	Output 3 dimming 0 - 100%
			004	0 - 255	0 - 100	Output 4 dimming 0 - 100%
			005	0 - 255	0 - 100	Output 5 dimming 0 - 100%
			006	0 - 255	0 - 100	All output master dimming 0 - 100%
			007	0 - 255	0 - 100	Strobe effects
	002 003 004	dP 1.1 dP 2.1 001 X 002 X 003 X 004 X 005 X 001 002 003 004 005 006 007 008 009	dP 1.1 dP 2.1 dP 5.4 001 X X 002 X X 003 X X 004 X X 005 X X 001 X 002 X 003 X 004 X 005 X 006 X 007 X 008 X 009 X 010 X 001 002 003 004 005 005	dP 1.1 dP 2.1 dP 5.4 dP 6.4 001 X X X 002 X X X 003 X X X 004 X X X 005 X X X 002 X X X 003 X X X 004 X X X 005 X X X 006 X X X 007 X X X 008 X X X 009 X X X 001 X X X 001 X X X 002 X X X 003 X X X 004 X X X 005 X X X 006 X X X	dP 1.1 dP 2.1 dP 5.4 dP 6.4 001 X X X 0 - 255 002 X X X 0 - 255 003 X X X 0 - 255 004 X X X 0 - 255 005 X X X 0 - 255 002 X X 0 - 255 003 X X 0 - 255 004 X X 0 - 255 004 X X 0 - 255 004 X X 0 - 255 005 X X 0 - 255 006 X X 0 - 255 008 X X 0 - 255 009 X X 0 - 255 009 X X 0 - 255 001 X X 0 - 255 003 X 0 - 255 004 X 0 - 255 <	MP 1.1 MP 2.1 MP 5.4 MP 6.4





DMX CH		DECODIN	G MODES		VALUE	DEDCENIT	FUNCTION
QTY	dP 1.1	dP 2.1	dP 5.4	dP 6.4	VALUE	PERCENT	FUNCTION
CH05	001	Х	Х	Х	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	Х	Х	Х	0 - 255	0 - 100	Output 2 dimming 0 - 100%
	003	X	X	Х	0 - 255	0 - 100	Output 3 dimming 0 - 100%
	004	X	X	Χ	0 - 255	0 - 100	Output 4 dimming 0 - 100%
	005	Х	Х	Х	0 - 255	0 - 100	Output 5 dimming 0 - 100%
	.'	001	Χ	Χ	0 - 255	0 - 100	Output 1 dimming 0 - 100%
		002	Х	Х	0 - 255	0 - 100	Output 1 fine dimming 0 - 100%
		003	X	X	0 - 255	0 - 100	Output 2 dimming 0 - 100%
		004	X	Х	0 - 255	0 - 100	Output 2 fine dimming 0 - 100%
		005	Χ	X	0 - 255	0 - 100	Output 3 dimming 0 - 100%
		006	Х	Х	0 - 255	0 - 100	Output 3 fine dimming 0 - 100%
		007	Χ	X	0 - 255	0 - 100	Output 4 dimming 0 - 100%
		008	X	X	0 - 255	0 - 100	Output 4 fine dimming 0 - 100%
		009	Х	Х	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		010	X	Х	0 - 255	0 - 100	Output 5 fine dimming 0 - 100%
			001	X	0 - 255	0 - 100	Output 1 dimming 0 - 100%
			002	X	0 - 255	0 - 100	Output 2 dimming 0 - 100%
			003	X	0 - 255	0 - 100	Output 3 dimming 0 - 100%
			004	Х	0 - 255	0 - 100	Output 4 dimming 0 - 100%
			005	Х	0 - 255	0 - 100	Output 5 dimming 0 - 100%
			006	Х	0 - 255	0 - 100	All output master dimming 0 - 100%
				001	0 - 255	0 - 100	Output 1 dimming 0 - 100%
				002	0 - 255	0 - 100	Output 2 dimming 0 - 100%
				003	0 - 255	0 - 100	Output 3 dimming 0 - 100%
				004	0 - 255	0 - 100	Output 4 dimming 0 - 100%
				005	0 - 255	0 - 100	Output 5 dimming 0 - 100%
				006	0 - 255	0 - 100	All output master dimming 0 - 100%
				007	0 - 255	0 - 100	Strobe effects