COLORBEAM

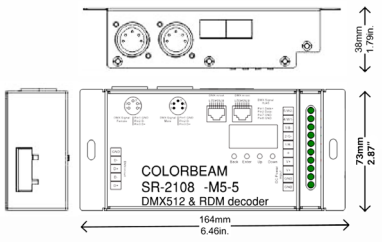
SPECIFICATION SHEET

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

DMX CONTROLLER
SR-2108-M5-5



CHANNELS	5
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

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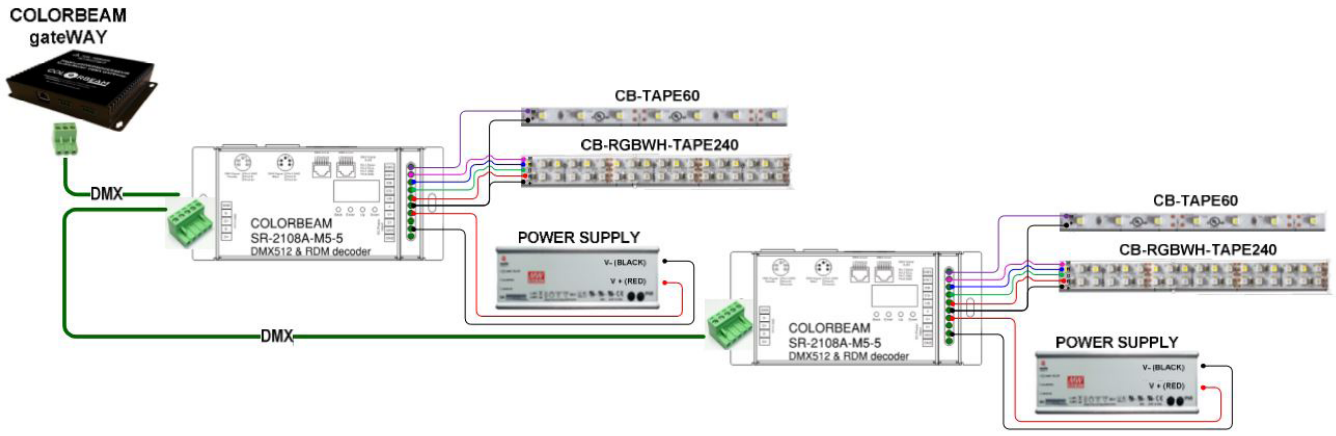
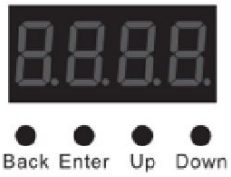
WIRING DIAGRAM



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:



A XXX DMX address: factory default address is A001.

CH XX Channel quantity: factory default channels number is CH05.

bt XX Bit: factory default is 16bit.

PF XX Output PWM frequency: factory default is 1K Hz.

GA XX Output dimming curve Gamma value: factory default is ga 1.5

dP XX Decoding mode: factory default

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

1. **DMX address setting**:
   Select menu A XXX 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 CH XX 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.

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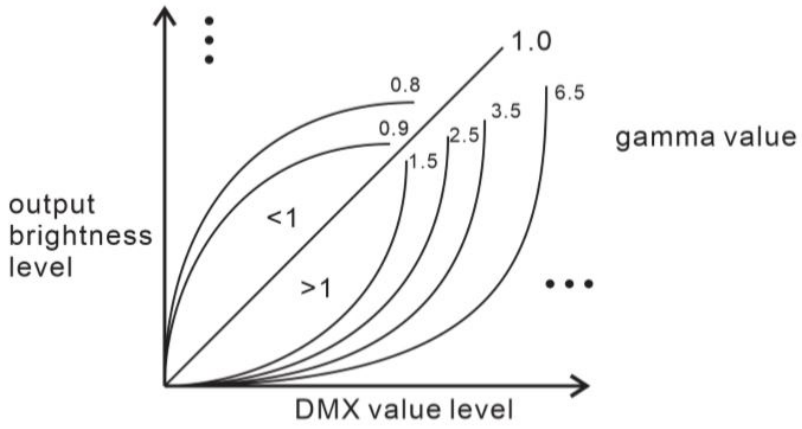
3. **PWM output resolution Bit setting:**
   Select menu 8B XX press **Enter**, display flashes, click **Up** or **Down** to choose 08 or 16 bit.
   Click **Back** to confirm.

4. **Output PWM frequency setting:**
   Select menu PF XX press **Enter**, display flashes, click **Up** or **Down** to choose 00 ~ 30.
   Click **Back** to confirm.
   00= 500Hz, 01= 1KHz, 02= 2KHz, …, 30= 30KHz.

5. **Output dimming curve gamma value setting:**
   Select Menu GA 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 dP XX 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 QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	dP 1.1	dP 2.1	X	X			
CH01	001	X	X	X	0 - 255	0 - 100	All 5 outputs dimming 0 - 100 %
		001	X	X	0 - 255	0 - 100	All 5 outputs dimming 0 - 100 %
		002	X	X	0 - 255	0 - 100	All 5 outputs fine dimming 0 - 100%

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DMX CONTROLLER

CH02, ADD: 001

DMX CH QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	dP 1.1	dP 2.1	dP 3.2	X			
CH02	001	X	X	X	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
	002	X	X	X	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
		001	X	X	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
		002	X	X	0 - 255	0 - 100	Output 1 & 3 fine dimming 0 - 100%
		003	X	X	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
		004	X	X	0 - 255	0 - 100	Output 2, 4 & 5 fine dimming 0 - 100%
			001	X	0 - 255	0 - 100	Output 1 & 3 dimming 0 - 100%
			002	X	0 - 255	0 - 100	Output 2, 4 & 5 dimming 0 - 100%
			003	X	0 - 255	0 - 100	All output dimming 0 - 100 %

CH03, ADD: 001

DMX CH QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	dP 1.1	dP 2.1	dP 4.3	dP 5.3			
CH03	001	X	X	X	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	X	X	X	0 - 255	0 - 100	Output 2 dimming 0 - 100%
	003	X	X	X	0 - 255	0 - 100	Output 3, 4 & 5 dimming 0 - 100%
		001	X	X	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, 4 & 5 dimming 0 - 100%
		006	X	X	0 - 255	0 - 100	Output 3, 4 & 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, 4 & 5 dimming 0 - 100%
			004	X	0 - 255	0 - 100	All output master dimming 0 - 100%
			005	X	0 - 255	0 - 100	All output 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, 4 & 5 dimming 0 - 100%
				004	0 - 255	0 - 100	All output master dimming 0 - 100%

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DMX CONTROLLER

CH04, ADD: 001

DMX CH QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	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	X	X	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	X	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%
		008	X	X	0 - 255	0 - 100	Output 4 & 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	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

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DMX CONTROLLER

CH05, ADD: 001

DMX CH QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	dP 1.1	dP 2.1	dP 5.4	dP 6.4			
CH05	001	X	X	X	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	X	X	X	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 dimming 0 - 100%
	005	X	X	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		001	X	X	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 dimming 0 - 100%
		008	X	X	0 - 255	0 - 100	Output 4 fine dimming 0 - 100%
		009	X	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		010	X	X	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	X	0 - 255	0 - 100	Output 4 dimming 0 - 100%
			005	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
			006	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 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

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DMX CH QTY	DECODING MODES				VALUE	PERCENT	FUNCTION
	dP 1.1	dP 2.1	dP 5.4	dP 6.4			
CH05	001	X	X	X	0 - 255	0 - 100	Output 1 dimming 0 - 100%
	002	X	X	X	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 dimming 0 - 100%
	005	X	X	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		001	X	X	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 dimming 0 - 100%
		008	X	X	0 - 255	0 - 100	Output 4 fine dimming 0 - 100%
		009	X	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
		010	X	X	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	X	0 - 255	0 - 100	Output 4 dimming 0 - 100%
			005	X	0 - 255	0 - 100	Output 5 dimming 0 - 100%
			006	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 dimming 0 - 100%
				005	0 - 255	0 - 100	Output 5 dimming 0 - 100%
				006	0 - 255	0 - 100	All output master dimming 0 - 100%
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