

DMX512 & RDM Decoder



FCC CE RoHS COMPLIANT

This DMX 512 RDM decoder has a function to intercommunicate between DMX master and decoder. It converts DMX512 digital signal to PWM signal by setting DMX decoder's address by DMX master console. The RDM function allows 2-way communication between the controller and a computer or smart device. The device controls up to 5 different single-color 12-24 VDC LED products, 1 WRGBW light strip, RGB, or RGBW LED light. The decoder operates on DMX512 digital control signals using 3 or 5 pin XLR, RJ45, or screws for input/output terminals. Moreover, it powers without flashing and achieves maximum dimming capability without flicker. Lastly, it uses galvanic isolation for short circuit prevention.

SPECIFICATIONS

Model No	SR-2108A-M5-5
Output Type	Constant Voltage
Operating Voltage	12-24V DC
Input Current	40.5A
Output Current	40A Max (8A/CH)
Control Channels	5 Channels (5 CH)
PWM Frequency	500Hz to 30K Hz
Power	12V(5 x 96W) / 24V(5 x 192W)
Signal Input & Output	DMX512
Terminals	3/5 Pin XLR, RJ45, Screw Terminal
Bit Rate	8bit/16bit
Material	Die-cast Aluminum
Working Temperature	-20°C~+50°C
IP Rating	IP20
Protection	Short Circuit Protection
Dimensions	165 x 73 x 38 mm (6.5 x 2.9 x 1.5 in)
Package Dimensions	18 x 8 x 4 cm (7 x 3 x 1.5 in)
Package Weight	0.43Kg
Certificates	FCC/CE/RoHS

KEY FEATURES

- Master & decoder mode, RDM function
- Metal housing, digital display to show data directly, easily to set and show DMX address.
- Total 5 PWM output channels, common anode. DMX channel quantity from 1CH~5CH settable
- PWM output resolution ratio 8bit, 16bit settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- Decoding mode settable.

Name: _____

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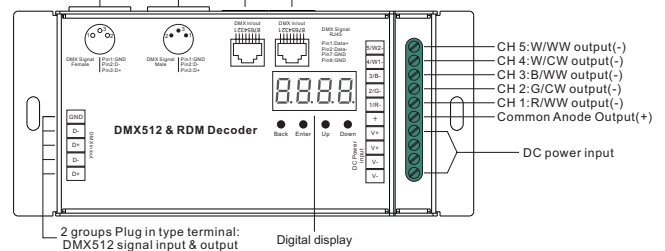
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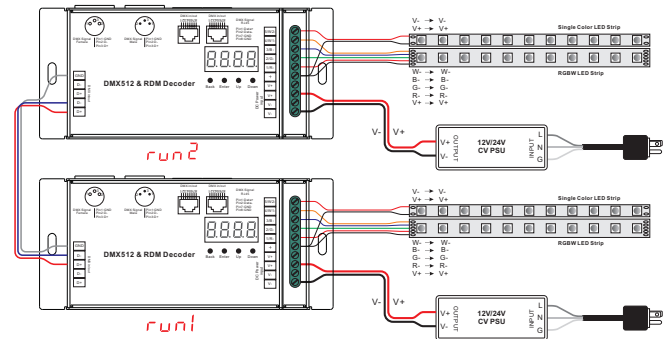
Function introduction

3/5 Pin male & female XLR terminal: DMX512 signal input & output
2xRJ45 terminal: DMX512 signal input & output

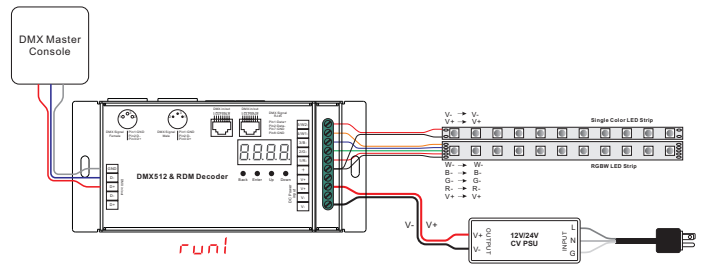


Wiring diagram

1. Work as Master mode



2. Work as Decoder mode



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