DA-L-RDM

DMX&RDM Signal Amplifier

DMX512

Features

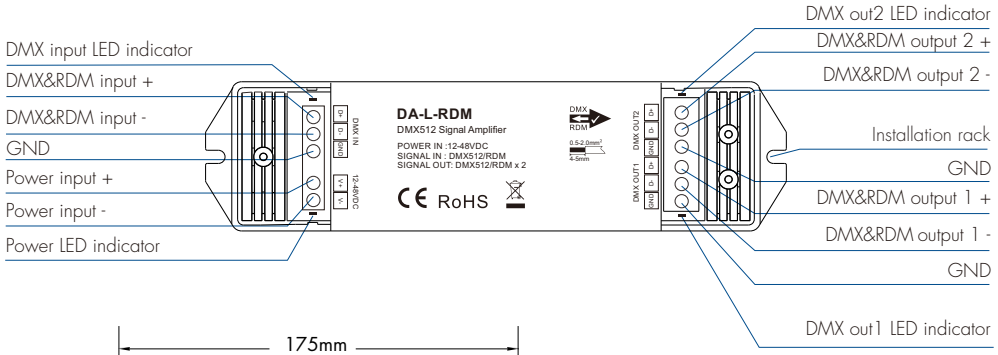
- One DMX512&RDM signal input, two DMX512&RDM signal output.
- Dedicated to amplify, distribute and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512&RDM(or RS-485).
- Realize extending DMX512&RDM signal transmission distance.
- Signals expansion output control, increase DMX&RDM (485) signal amplifier to distribute multi-channel control.
- Supports bi-directional communication for addressing and controlling RDM devices.
- The device is equipped with 4 signal input/output indicators.
- Optical isolation between the input and output terminals, and between the output terminals, prevents damage to the device due to incorrect wiring, and also prevents signal interference between devices.

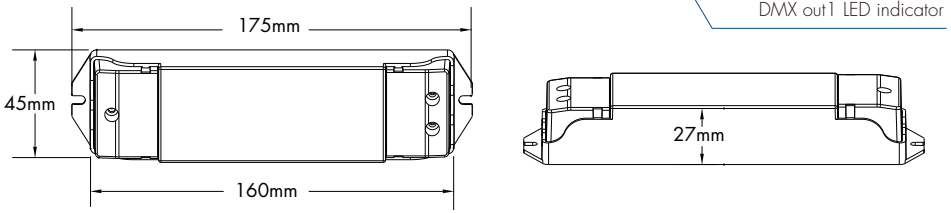
CE RoHS

Technical Parameters

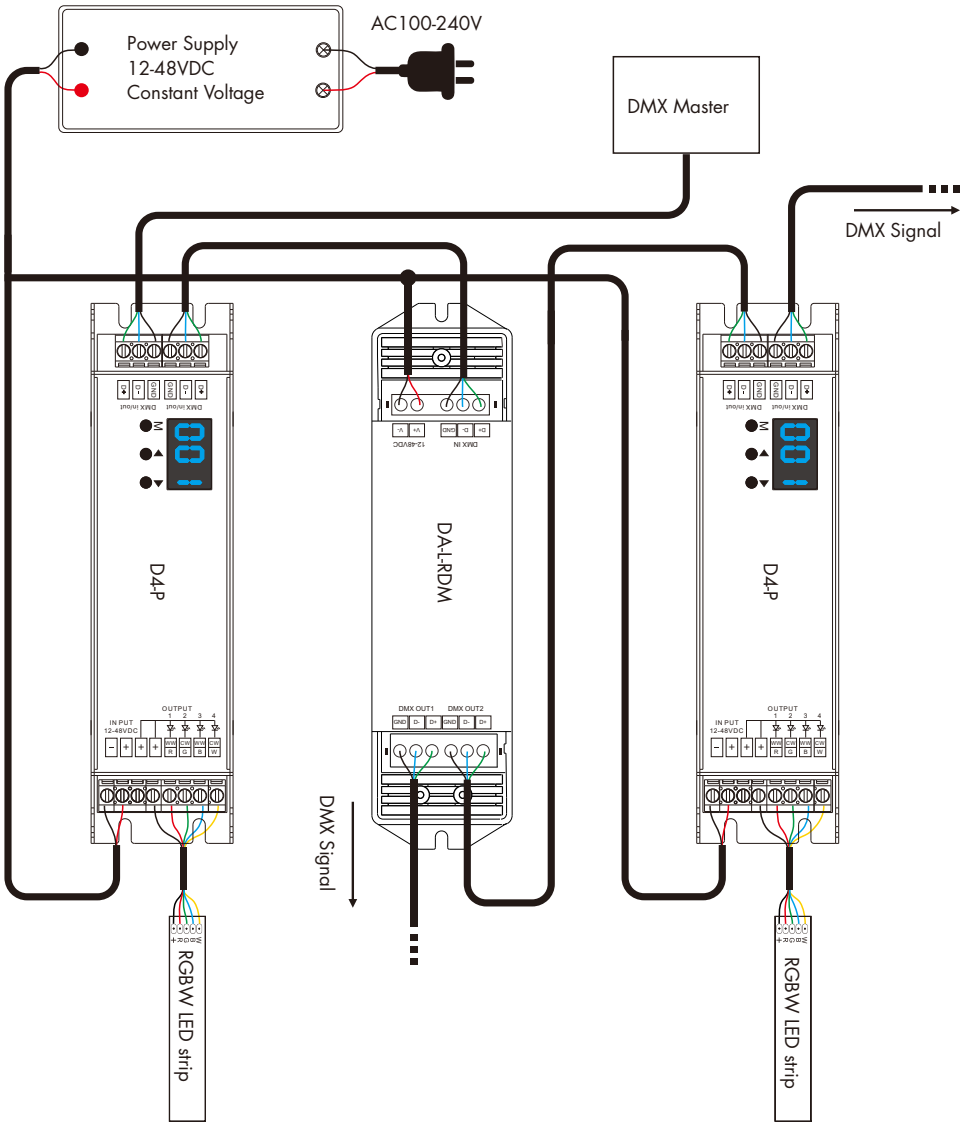
Input and Output		Environment		Safety and EMC	
Input voltage	12-48VDC	Operation temperature	Ta: -30°C ~ +55°C	EMC standard	EN 61347-1/-2
Input current	0.5A Max.	Case temperature(Max.)	Tc: +65°C	Safety standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3/-17
Input signal	DMX512 & RDM	IP rating	IP20	Certification	CE RoHS
Output signal	DMX512 & RDM x 2	**Warranty**		**Package**	
		Warranty	5 years	Size	L178 x W50 x H38mm
		Protection	Reverse Polarity	Gross weight	0.128kg

Mechanical Structures and Installations





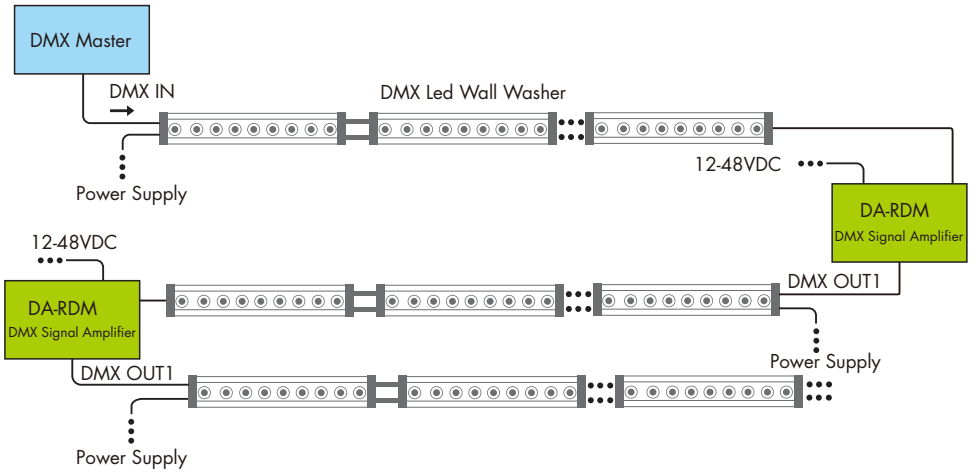
Wiring Diagram



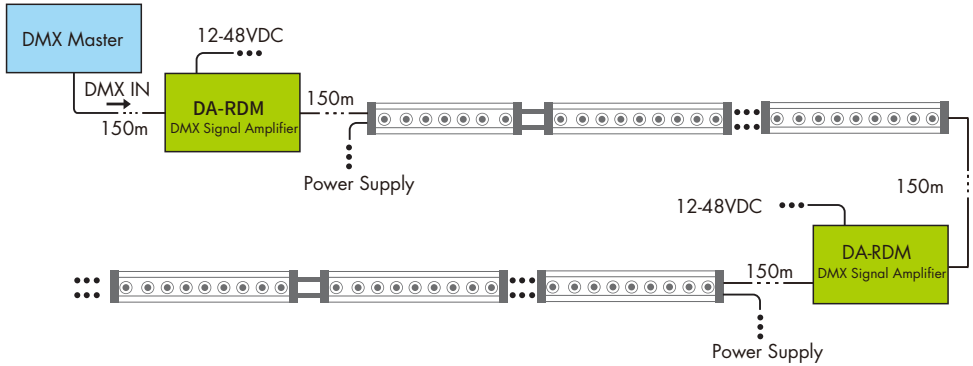
Note:

1. An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.
2. If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.

A. The signal of many of DMX LED lights connection example:



B. The long distance of DMX signal example:



C. The distribution of DMX signal example: