

DMX Signal Amplifier/Repeater

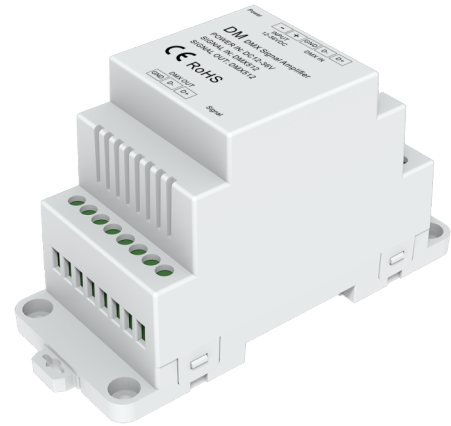


Model No.: DM

1 Channel/Photo-electricity insulation/Bidirection/Din Rail

Features

- One DMX512 signal input, one DMX512 signal output.
- Bidirectional signal amplifier to transmit RDM signal.
- Dedicated to amplify and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512(or RS-485).
- Realize extending the signal transmission distance.
- Photo-electricity insulation between input and output terminals, so as to avoid the expensive equipment such as light, 485 communications equipment, DMX driver, precise digital lighting controller, being burnt by the possible high voltage which caused from the wrong wire connection and a broken equipment, also can avoid the signal interference between each DMX equipment.



CE RoHS LVD

Technical Parameters

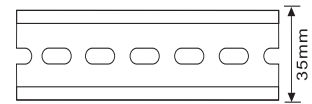
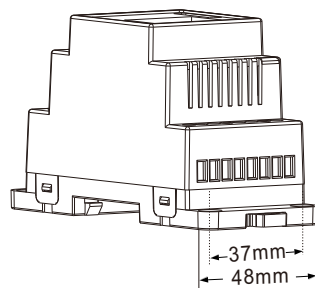
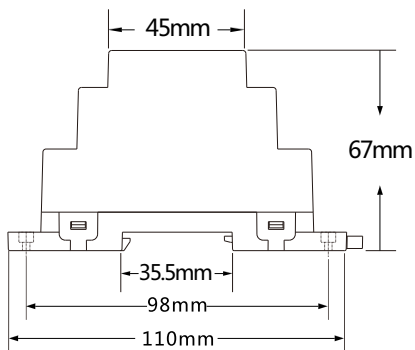
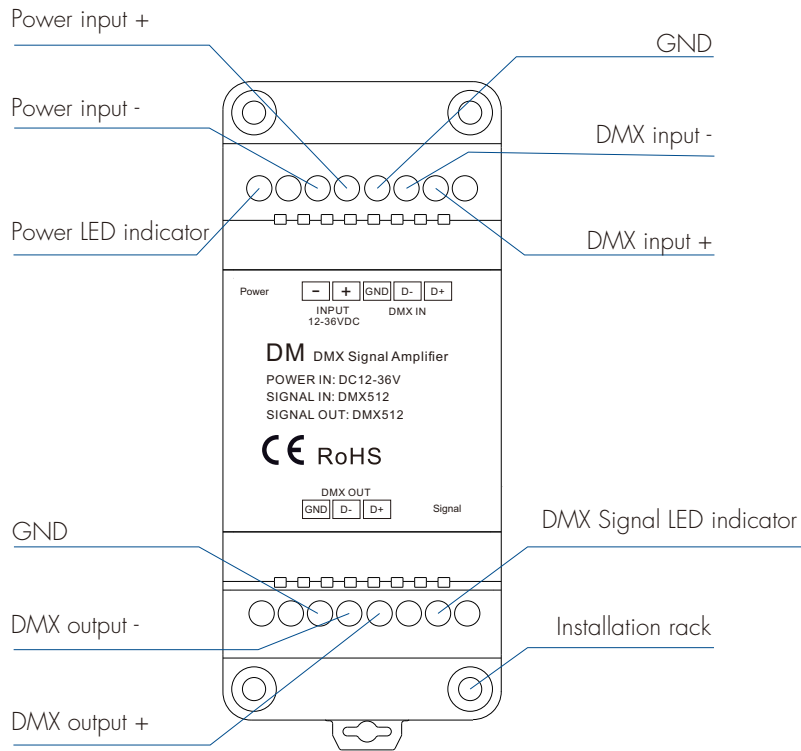
Input and Output	
Input voltage	12-36VDC
Input signal	DMX512/RDM
Output signal	DMX512/RDM

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

Safety and EMC	
EMC standard (EMC)	EN55032:2015, EN61000-3-2:2014, EN61000-3-2:2013, EN55024 :2010/A1:2015
Safety standard(LVD)	EN 61347-1:2015 EN 61347-2-11:2015
Certification	CE,EMC,LVD

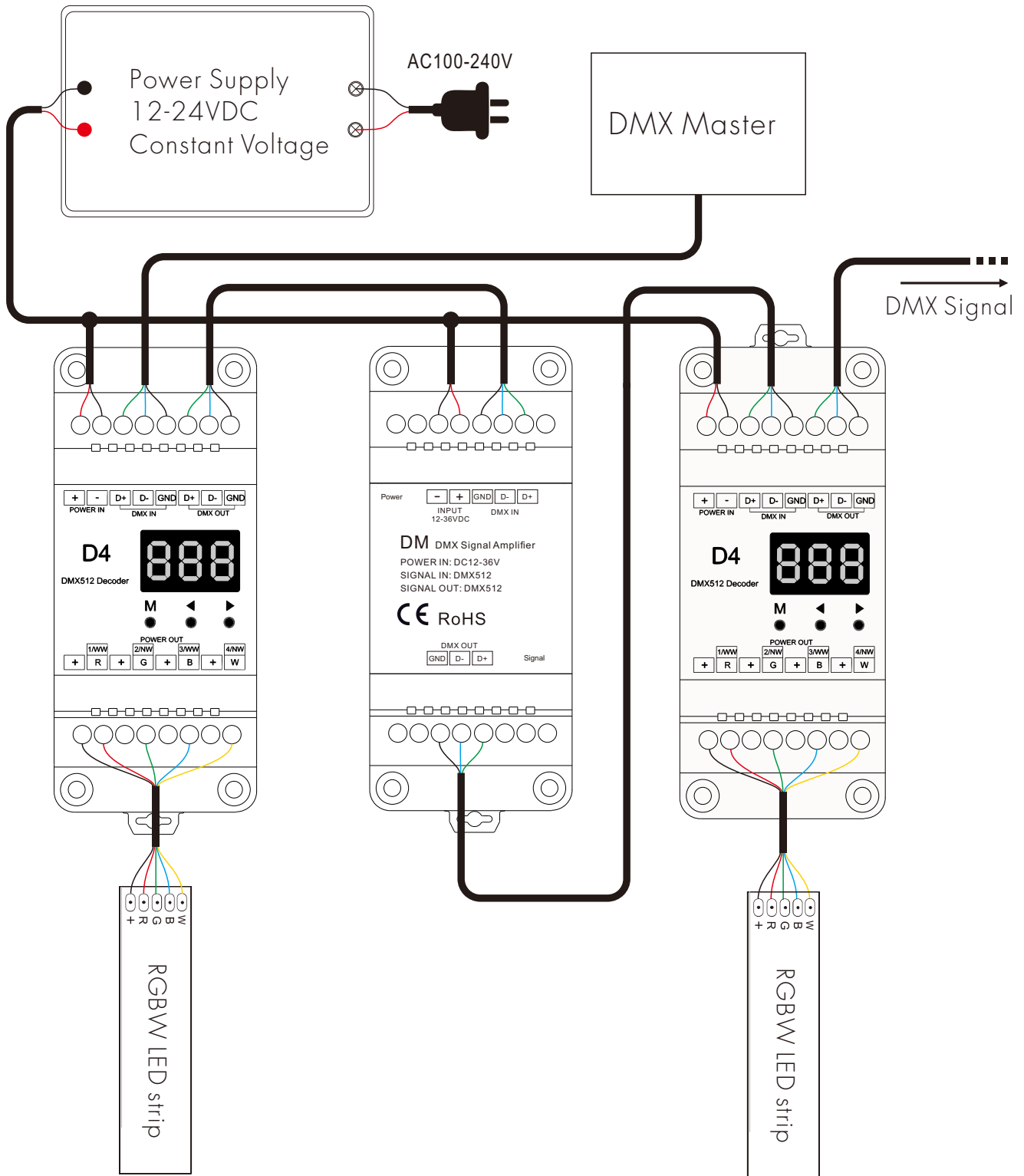
Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

Mechanical Structures and Installations



DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

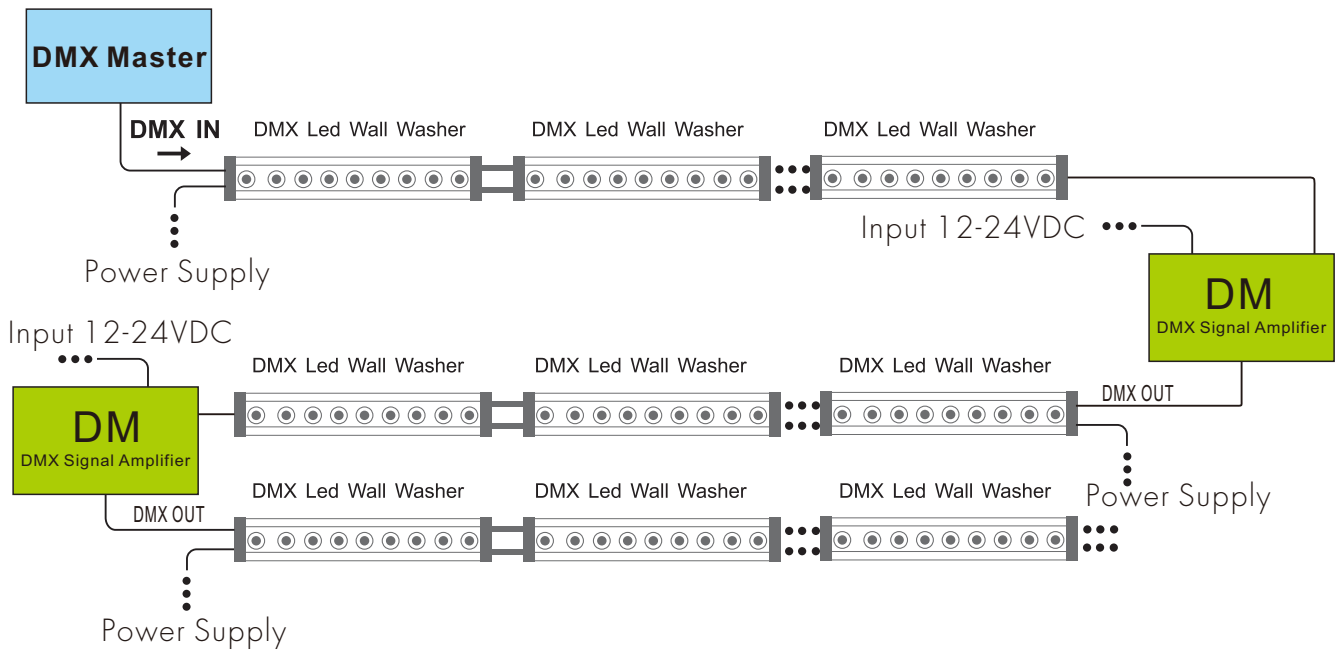
Wiring Diagram



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:



B. The long distance of DMX signal examples:

