DMA-RDM

4 Channels DMX/RDM Signal Amplifier

DMX512

Feature

- One DMX512/RDM signal input, four 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).
- Extend the transmission distance of DMX/RDM signals.
- Supports bi-directional communication for addressing
  and controlling RDM devices.
- The input terminal and output terminal are optically isolated from each other,
  and each output terminal is also optically isolated from each other.
  Avoiding damage to equipment due to incorrect wiring,
  also prevents signal interference between devices.
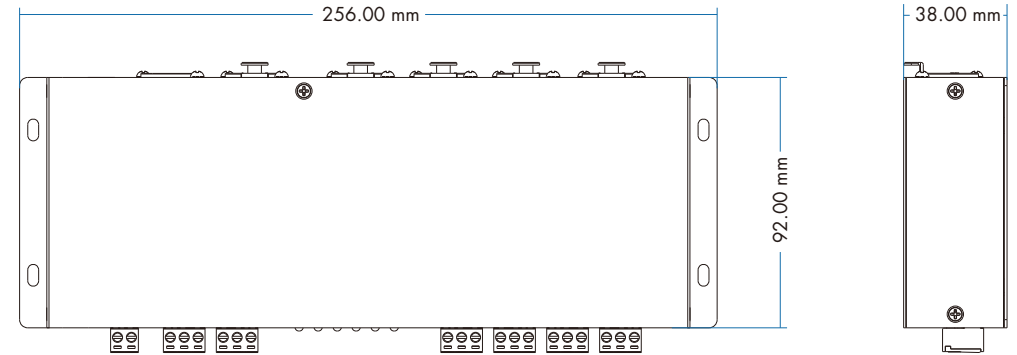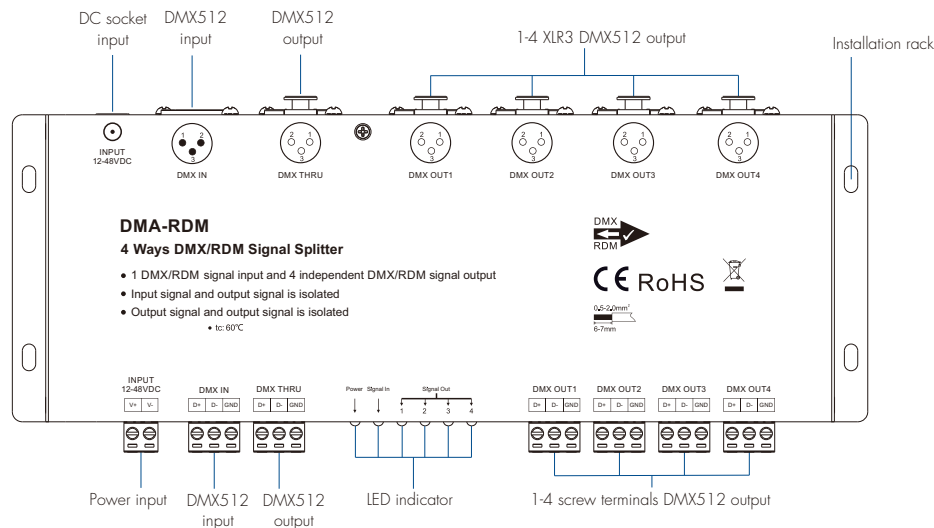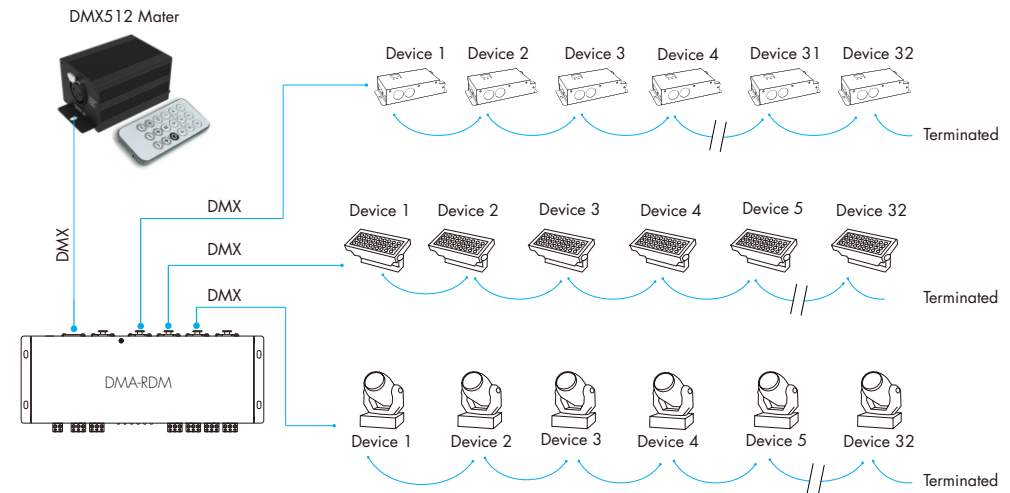- 6 LED indicators for power in, DMX in and DMX output status.

CE RoHS

Technical Parameters

Input and Output		Environment		Safety and EMC/Warranty and Protection	
Input voltage	12-48VDC	Operation temperature	Ta: -20℃ ~ +55℃	EMC standard	EN IEC 55015 EN IEC 61547 ETSI EN 301 489-1/-3
Input current	0.17A Max	Case temperature (Max.)	Tc: +60℃		
Input signal	DMX512/RDM	IP rating	IP20	Safety standard	EN 61347-1/-2
Output signal	DMX512/RDM x 4	Package		Certication	CE ROHS
		Size	L260 x W112 x H43mm	Warranty	5 years
		Gross weight	0.75kg	Protection	Reverse Polarity

Mechanical Structures and Installations

DC socket input · DMX512 input · DMX512 output · 1-4 XLR3 DMX512 output · Installation rack

INPUT 12-48VDC · DMX IN · DMX THRU · DMX OUT1 · DMX OUT2 · DMX OUT3 · DMX OUT4

DMA-RDM
4 Ways DMX/RDM Signal Splitter
- 1 DMX/RDM signal input and 4 independent DMX/RDM signal output
- Input signal and output signal is isolated
- Output signal and output signal is isolated
  • tc:60℃

DMX RDM

CE RoHS

0.5-2.0mm²
6-7mm

INPUT 12-48VDC [V+ V-] · DMX IN [D+ D- GND] · DMX THRU [D+ D- GND] · Power Signal In · Signal Out [1 2 3 4] · DMX OUT1 [D+ D- GND] · DMX OUT2 [D+ D- GND] · DMX OUT3 [D+ D- GND] · DMX OUT4 [D+ D- GND]

Power input · DMX512 input · DMX512 output · LED indicator · 1-4 screw terminals DMX512 output

Wiring Diagram

256.00 mm · 92.00 mm · 38.00 mm

DMX512 Mater

DMX · DMX · DMX · DMX

Device 1 · Device 2 · Device 3 · Device 4 · Device 31 · Device 32 — Terminated

Device 1 · Device 2 · Device 3 · Device 4 · Device 5 · Device 32 — Terminated

DMA-RDM

Device 1 · Device 2 · Device 3 · Device 4 · Device 5 · Device 32 — Terminated

Note:
1. Other DMX512 devices can be connected via the DMX THRU port.
   If the DMX THRU port is not used, the DMX THRU port must be terminated with a termination resistor.
2. Up to 32 DMX512 devices can be connected to each output port,
   and the last DMX512 device must be connected to a termination resistor.
   The unused output outlets do not need to be connected to a termination resistor.
3. Termination Resistor: 0.25W 90-120Ω resistor is connected between D+ and D- at the end of each signal.