DMA

4 Ways DMX Signal Splitter

- One DMX512 signal input, repeat four DMX512 signal output, each allowing for 32 DMX devices to be connected.
- Dedicated to amplify, distribute and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512(or RS-485).
- Photo-electricity insulation between input and output terminals, output terminals among channels.
- Input isolated from outputs to 500VAC, 1000VDC.
- Outputs are isolated from each other to 500VAC, 1000VDC.
- Input and outputs are ture RS-485 rated, and no microprocessors are used for maximum reliability.
- 3 pin XLR / 3 screw terminals input and loop through, 5 pin XLR option available.
- 6 front panel LEDs indicate power in, DMX in and DMX output status at each output.
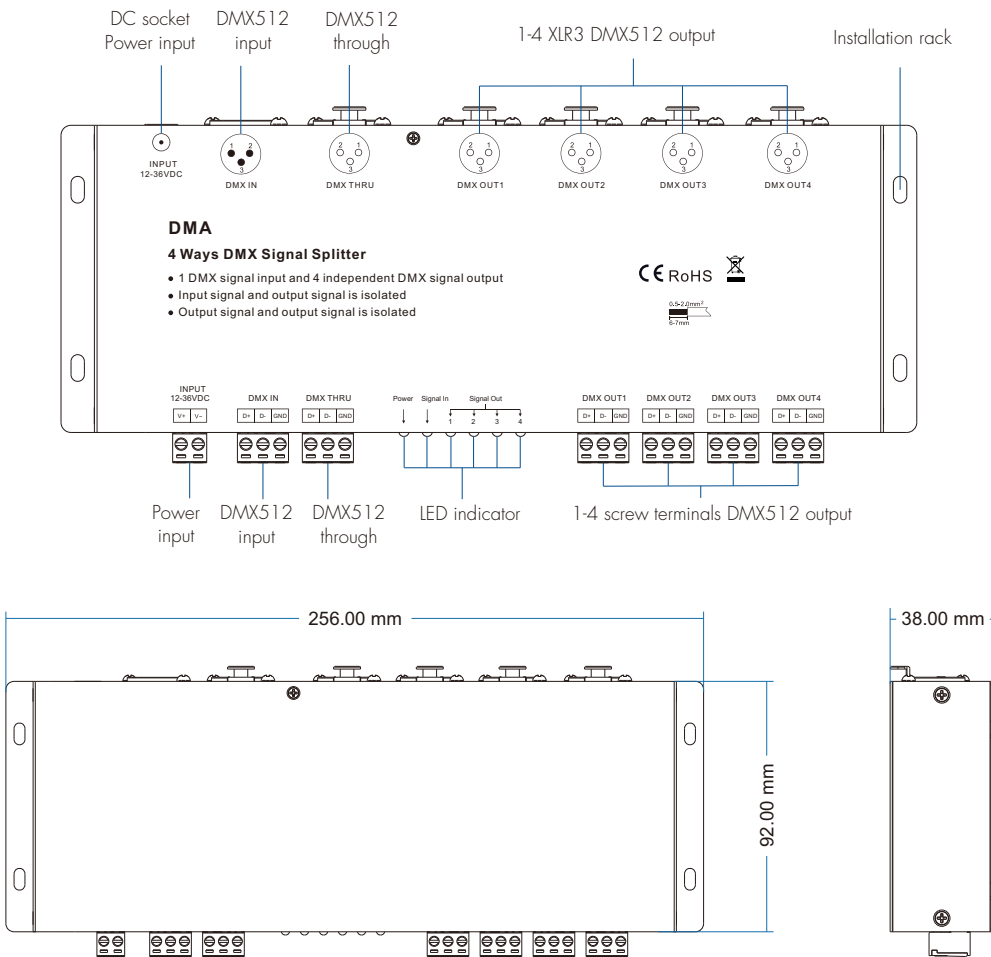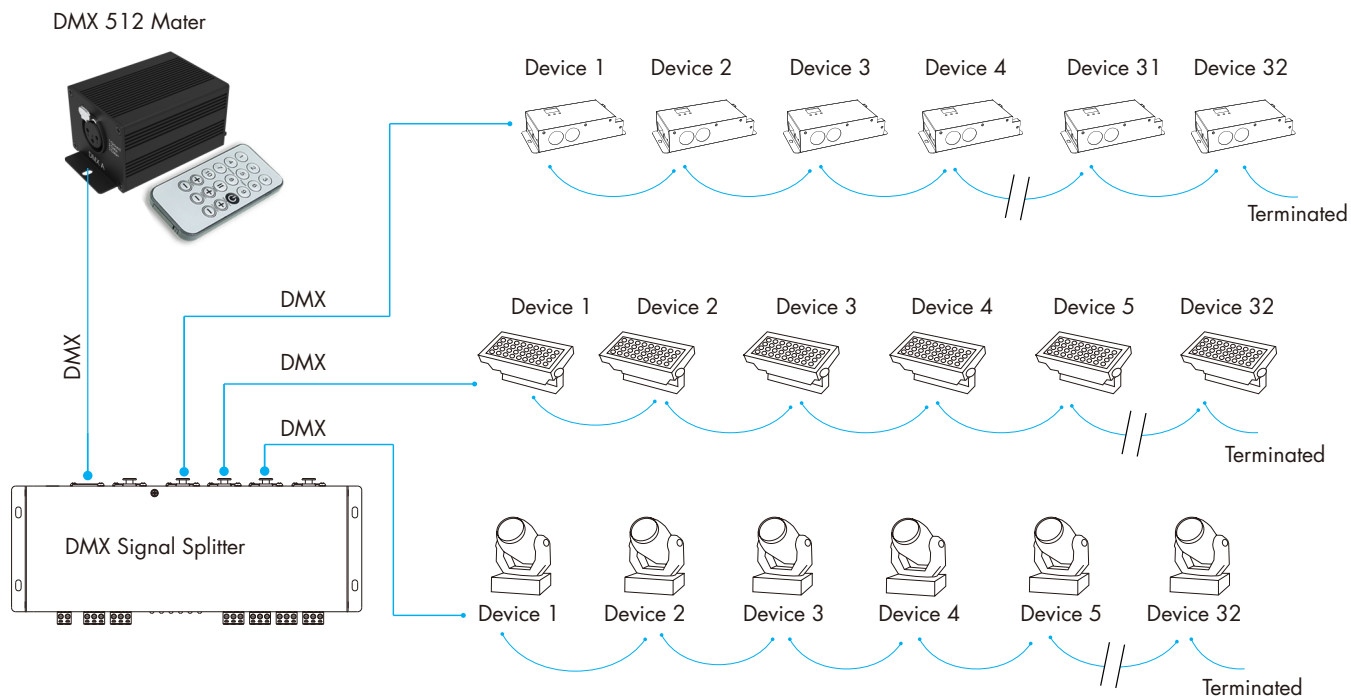
CE RoHS

Technical Parameters

Input and Output		Environment		Safety and EMC	
Input voltage	12-36VDC	Operation temperature	Ta: -30℃ ~ +55℃	EMC standard	EN IEC 55015 EN IEC 61547 ETSI EN 301 489-1/-3
Input current	0.12A Max	Case temperature (Max.)	Tc:+65 ℃	Safety standard	EN 61347-1/-2
Input signal	DMX512	IP rating	IP20	Certification	CE RoHs
Output signal	DMX512 x 4	Package			
Warranty and Protection		Size	L260 x W112 x H43mm		
Warranty	5 years	Gross weight	0.734kg		
Protection	Reverse Polarity				

Mechanical Structures and Installations

DC socket Power input — DMX512 input — DMX512 through — 1-4 XLR3 DMX512 output — Installation rack

INPUT 12-36VDC — DMX IN — DMX THRU — DMX OUT1 — DMX OUT2 — DMX OUT3 — DMX OUT4

DMA
4 Ways DMX Signal Splitter
- 1 DMX signal input and 4 independent DMX signal output
- Input signal and output signal is isolated
- Output signal and output signal is isolated

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INPUT 12-36VDC (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 through — LED indicator — 1-4 screw terminals DMX512 output

256.00 mm

92.00 mm

38.00 mm

DMX 512 Mater

Device 1 Device 2 Device 3 Device 4 Device 31 Device 32

Terminated

DMX

DMX

Device 1 Device 2 Device 3 Device 4 Device 5 Device 32

DMX

Terminated

DMX

DMX Signal Splitter

Device 1 Device 2 Device 3 Device 4 Device 5 Device 32

Terminated

Note:

1. A passive loop-through connection allows onward connection to other DMX512 devices.
   If this feature is not required then the signal must be terminated.
2. Each output is capable of driving 32 additional DMX512 devices.
   It is not necessary to terminate any outputs that are not connected.
   However, a terminator must be connected to the final DMX512 device.
3. Connect 0.25W 90-120Ω terminal resistor for termination.