

# RdmSplitter (RJ-45)

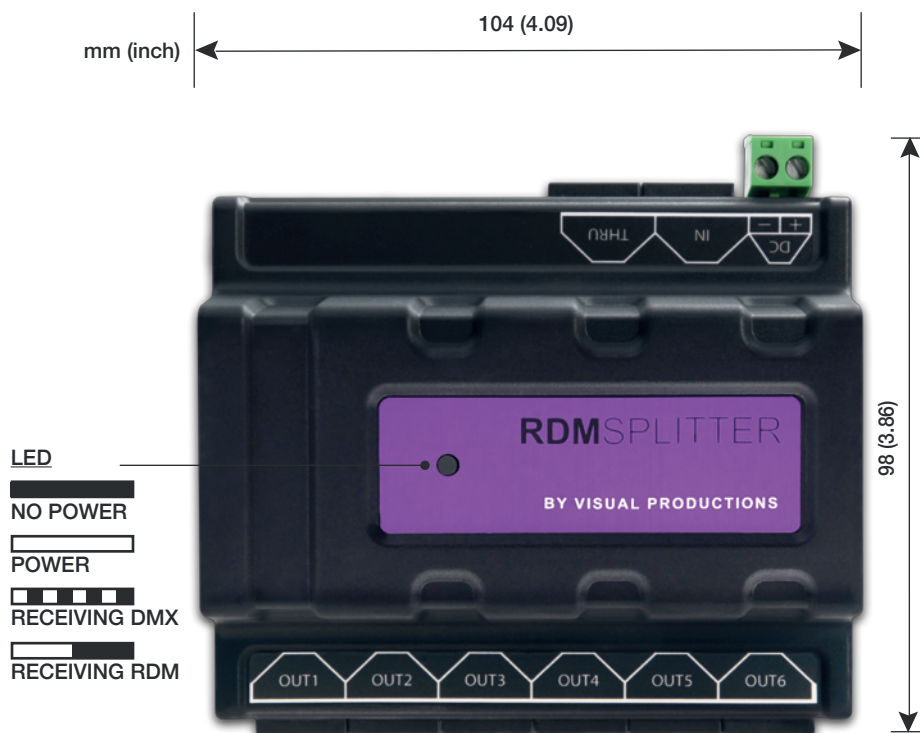
The widespread data protocol for lighting equipment is DMX-512. It is a very successful protocol with, however, a few limitations. The maximum number of attached devices is limited to 32 and they all have to be connected in bus-topology having one cable running via each device. Furthermore, a DMX cable should not be longer than 300 meters.

The RdmSplitter from Visual Productions helps tackle those inconvenient limitations. The splitter takes a DMX signal and sends it out again on its 6 DMX output ports allowing a star-topology for efficient cable usage. Each output port is capable of driving 32 more devices. The splitter can also function as a signal booster as each port supports another 300 meter long connection.

The RdmSplitter features RDM compatibility. The RDM protocol provides two-way communication over a DMX infrastructure. It enables automatic addressing and allows fixtures to provide status information back to the lighting controller.

## SPECIFICATIONS

- DIN Rail mounting
- DMX512-A (ANSI E1.11)
- RDM (ANSI E1.20)
- RJ-45 connectors
- 6 Outputs
- Optical Isolation (individual per port)
- 9-24V DC 500mA (PSU optional)
- Operating temperature -20°C to +50°C (-4°F to 122°F)
- Compliance EN55103-1 EN55103-2



**PINOUT**

1 DATA +

2 DATA -

3 NC

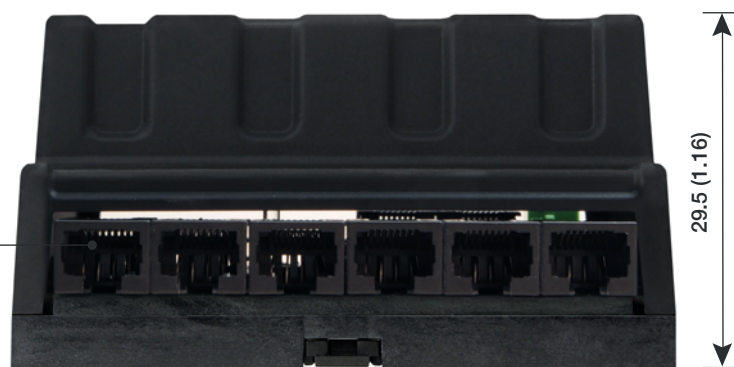
4 NC

5 NC

6 NC

7  $\perp$

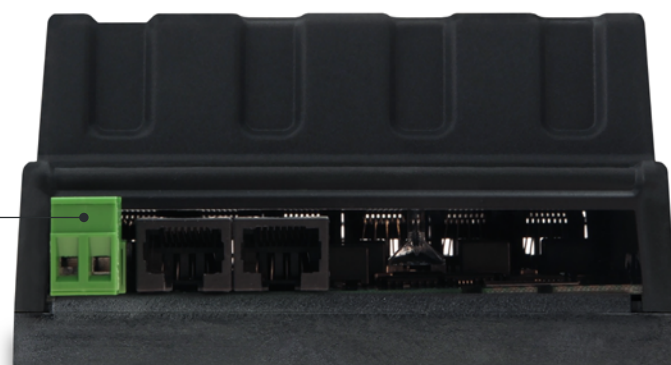
8  $\perp$



**PINOUT**

1 DC +

2 DC -



# RdmSplitter (Terminal)

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The RdmSplitter features RDM compatibility. The RDM protocol provides two-way communication over a DMX infrastructure. It enables automatic addressing and allows fixtures to provide status information back to the lighting controller.

## SPECIFICATIONS

- DIN Rail mounting
- DMX512-A (ANSI E1.11)
- RDM (ANSI E1.20)
- Screw terminals
- 6 Outputs
- Optical Isolation (individual per port)
- 9-24V DC 500mA (PSU optional)
- Operating temperature -20°C to +50°C (-4°F to 122°F)
- Compliance EN55103-1 EN55103-2

