

# RdmSplitter (Terminal)

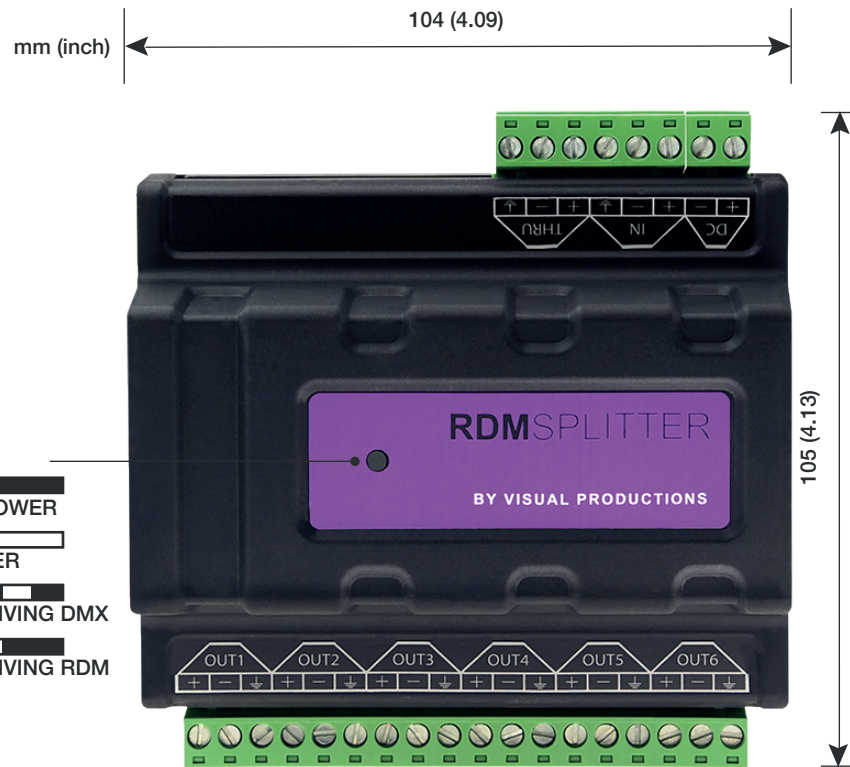
The widespread data protocol for lighting equipment is DMX-512. It is a very successful protocol with, however, a few limitations. The maximum number of attached devices is limited to 32 and they all have to be connected in bus-topology having one cable running via each device. Furthermore, a DMX cable 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)
- Screw terminals
- 6 Outputs
- Optical Isolation (individual per port)
- 9-24V DC 5W (PSU optional)
- Operating temperature -20°C to +50°C (-4°F to 122°F)
- Operating relative humidity 10% to 80% non-condensing
- Compliance EN55103-1 EN55103-2



- PINOUT**
- 1 OUT1 +
  - 2 OUT1 -
  - 3 OUT1  $\perp$
  - 4 OUT2 +
  - 5 OUT2 -
  - 6 OUT2  $\perp$
  - 7 OUT3 +
  - 8 OUT3 -
  - 9 OUT3  $\perp$
  - 10 OUT4 +
  - 11 OUT4 -
  - 12 OUT4  $\perp$
  - 13 OUT5 +
  - 14 OUT5 -
  - 15 OUT5  $\perp$
  - 16 OUT6 +
  - 17 OUT6 -
  - 18 OUT6  $\perp$



- PINOUT**
- 1 DC +
  - 2 DC -
  - 3 INPUT +
  - 4 INPUT -
  - 5 INPUT  $\perp$
  - 6 THRU +
  - 7 THRU -
  - 8 THRU  $\perp$

