Rail-Split RJ45

Category

A) DMX Splitters & Wireless DMX

Description

4 port DMX512 splitter/fixer, housed in a DIN Rail Enclosure, with support for RDM. RJ45 data connectors and mains powered.

Mechanical

- Housing: DIN Rail Case
- Material: Lexan Plastic - UL94-V0 rated
- Overall Dimensions: 88mm / 5M (W) x 90mm (H) x 62mm (D)
- Mass: 0.2kg
- Mounting: 35mm DIN Rail or Surface Mount
- Country of Manufacture: United Kingdom

Power & Electrical

- Input Voltage: 85-264 VAC (47-63 Hz)
- Input Connector: (1) 3-pin screw terminal
- Input Power (max): 5W
- Duty Cycle: 100% @ 25°C
- DC fuse: internal resettable fuse for control electronics

Environmental

- Operating Temperature: 0°C to 40°C
- Storage Temperature: -10°C to +50°C
- Operating Relative Humidity (max): 80% Non-Condensing
- IP Rating: IP20 Indoor Use Only
- Certification: CE, WEEE, RoHS
- Warranty: 2 Year (Return to Base)

LED Indication

- Power / DMX / RDM

Control / Data connections

- Control: 4 Port DMX / RDM Splitter & Fixer
- Input Protocols: DMX512, DMX512(1990), DMX512-A, RDM V1.0 (E1.20 - 2006 ESTA Standard)
- Output Protocols: Same as input
- Input connector: (1) RJ45
- Loop-through connector: (1) RJ45
- Output Connector: (4) RJ45

DMX512 Input/Outputs

- Input & Loop mode: Optically isolated
- Input & Loop isolation: 1 kV
- Input & Loop ESD protection: 15 kV
- Output mode: ground referenced
- Output ESD protection: 15 kV
- Electrocution protection: Input, Loop and all outputs protected against continuous connection to 425 VAC (self-healing)
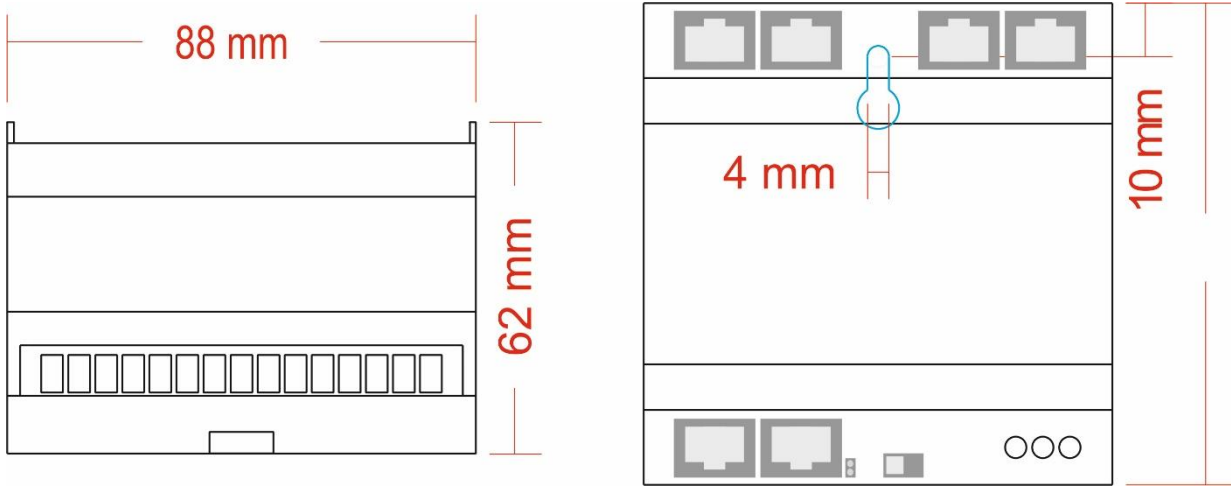
Package Contents
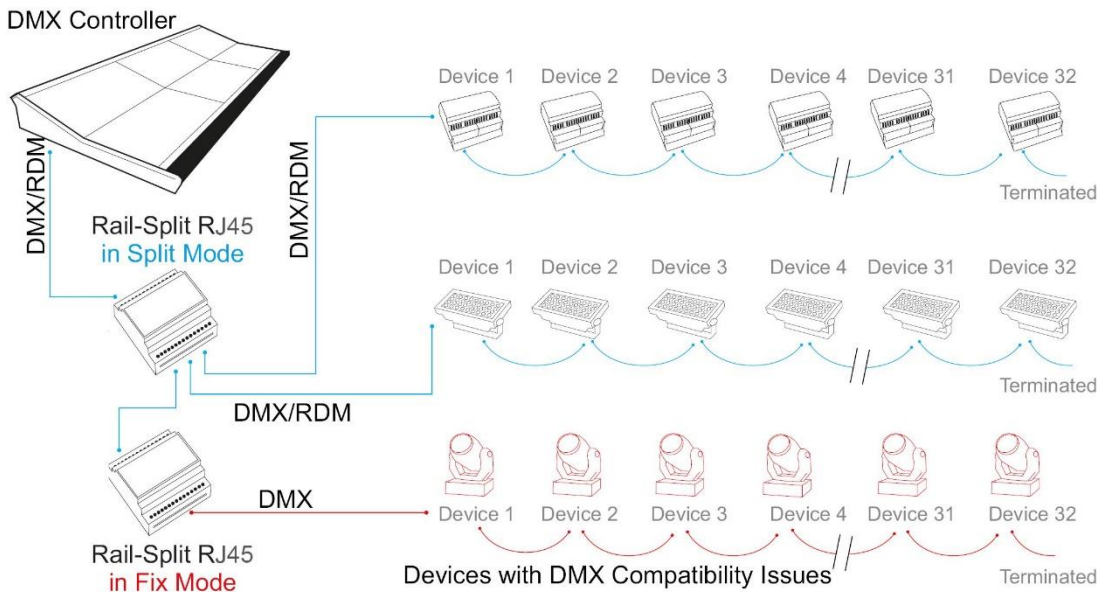
- Rail-Split RJ45

Ordering Info

Product Code: Rail-Split RJ45

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Mounting Drawing

88 mm

62 mm

4 mm

10 mm

Application Drawing

DMX Controller

DMX/RDM

Rail-Split RJ45
in Split Mode

DMX/RDM

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

Terminated

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

Terminated

DMX/RDM

Rail-Split RJ45
in Fix Mode

DMX

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

Devices with DMX Compatibility Issues

Terminated

*Due to our policy of continuing product
improvement specifications are subject
to change without notice*

| Output 1 | Output 2 | RJ45: | Output 3 | Output 4 |
| Protected | Protected | 1 Data+ 2 Data- 7,8 Gnd | Protected | Protected |

DMX & RDM
DMX only
Power
Collision-Fix

Rail-Split RJ45
DMX512 / RDM Splitter with
protocol correction and filtering

DMX Input   DMX Loop   TERM   FIX   SPLIT   EARTH NEUT LIVE
Mode   Power
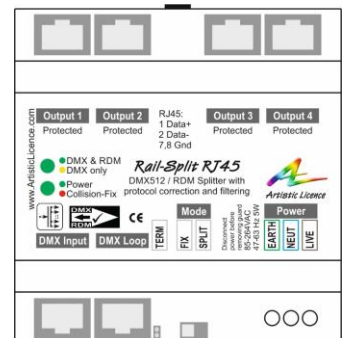
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