

Rack Gateway 12 RDM

Rack mounted bidirectional gateway. It converts 12 universes of Art-Net (supports all versions up to Art-Net 4) or sACN ethernet into DMX512/RDM. The product also supports DMX to Art-Net/sACN conversion.



Rack Gateway 12 RDM offers high levels of electrical protection. All outputs are protected against mains electrocution (all international voltages including UK 3-phase) and are self-healing.

The product can be mounted in a 19" 1U rack enclosure using the supplied rack ears. It is supplied with a standard powerCON® TRUE1 power inlet.

Configuration is achieved over the network using the internal web-server. DHCP is supported for automatic IP address allocation.

- 10/100BaseT RJ45 (Ethercon) input
- 12 bidirectional DMX512 ports, compatible with all variants of DMX, including DMX512-A
- Merge per output
- Art-Net, sACN, RDMnet RPT & LLRP compatible
- mDNS compliant
- RDM (E1.20 - 2010/2024) compatible
- Power, Ethernet & DMX port LEDs
- Failsafe mode
- Default IP address 2.x.y.z
- Configurable using internal web-browser or DMX-Workshop
- DHCP supported

- powerCON[®] TRUE1 power inlet
- Factory reset and Squawk button
- Self-healing outputs, protected against continuous connection to 425 VAC

Technical Specification

Mechanical

- Housing: 19" 1U rack enclosure
- Material: Powder coated steel
- Overall dimensions: 1U (H) x 19" (W) x 150 mm (D)
- Weight: 2.8 kg
- Mounting: desktop or 19" rack
- Country of manufacture: UK

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, UKCA, WEEE, RoHS

Power & Electrical

- Input voltage: 100 - 240V ~
- Input connector: powerCON® TRUE1
- Input power (max): 30 W
- Duty cycle: 100% @ 25°C
- Input fuse: Internal 3.15A slow blow
- DC fuse: internal resettable fuse for control electronics

Ethernet

- Type: 10BaseT and 100BaseT
- Isolation: 1 kV

DMX512 ports

- Output mode: ground referenced
- Output isolation: n/a
- Output ESD protection: 15 kV
- Electrocution protection: 425 VAC continuous (self-healing)

Control Protocols

- Ethernet: Art-Net, sACN, RDMnet RPT & LLRP
- Output: DMX512, DMX512 (1990), DMX512-A, RDM (E1.20 - 2010/2024)
- Input: DMX512, DMX512 (1990), DMX512-A

Data connections

- Neutrik RJ45 Ethercon (1 no.)
- Neutrik XLR5 DMX ports (12 no.)

LED Indication

- Power / Ethernet Link & Activity / Speed /DMX
- Activity

Configuration / Indication

- Internal web-server or DMX Workshop
- Manual factory reset button
- LEDs for Power & Data