



NETRON EN12 RDM Splitters User Guide

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NETRON EN12 RDM Splitters



Product description

NETRON is a comprehensive data distribution range of rugged, reliable and easy to configure devices, offering affordable smart solutions for the professional lighting and AV markets. NETRON devices support applications from live production and venue installations to architectural environments. Our products are developed with the user in mind, combining tough hardware with smart software, for fast setup and solid performance.

- Simple and efficient configuration via the on-board web interface or device OLED display
- Instant Plug & Play through the interactive presets for recall of NETRON or user configurations
- Advanced Cue Engine for standalone or backup operation
- Remote Input triggers for external control
- Device start and signal loss logic ensures your venue is never in the dark

NETRON is hardened for life on the road or the daily abuse in your venue.

The scratch resistant powder coating is rated for hurricane force winds and constant exposure to the elements. We chose this thermally fused finish for superior protection and ensures NETRON devices looks its best for many years of service. A precision milled aluminum chassis gives NETRON devices incredible strength while being lightweight and extremely impact resistant.

EtherDMX NODES

EP4



EN4



EN12



RDM Splitters

RDM6XL



RDM645



RDM10



EN12

The NETRON EN12 is a powerful high-density Ethernet to DMX gateway with twelve RDM compatible ports. Easy to configure with a range of integrated presets plus a wide array of advanced merge and routing features it is the ideal device for live production or installations requiring a lot of physical DMX ports. Contact closures allow for recall of presets, routings, mergers or any of the internal cues. [VISIT WEBSITE](#)

Key Features

- RDM, Artnet and sACN support
- Factory and user presets for plug and play setups
- Line Voltage or POE powered
- 1.8" OLED Display with rotary knob
- 99 Internal cues with fade and delay time
- Customizable routing and merging options
- Remote configuration via internal webpage
- Contact closures for cue or preset recall
- Powder-coated aluminum rack mount housing

Connections

FRONT

- (12) 5pin DMX/RDM optically isolated ports .
- Ports are bidirectional for DMX In and Output .
- Full color OLED display
- Encoder w. Push to Select / Exit Button BACK
 - Locking RJ45 Ethernet network In
 - Contact Closures (Terminal Block)
 - Locking Power In/Thru

Physical

- Length: 482.5 mm (19 in.)
- Width: 146 (5.7mm)
- Height: 44 mm (1.7 in.)
- Weight: 1.82 kg (4 lbs)

Electrical

- 100-240 V nominal, 50/60 Hz . POE 802.3af



EN4

The NETRON EN4 is a powerful Ethernet to DMX gateway with four RDM compatible ports. Designed for live production and installations with a rugged housing and high-performance processing it offers flexible mounting options to cover any situation. VISIT WEBSITE

Key Features

- RDM, Artnet and sACN support
- Factory and user presets for plug and play setups → Line Voltage or POE powered
- 1.8" OLED Display with rotary knob
- 99 Internal cues with fade and delay time
- Remote configuration via internal web page
- Powder-coated aluminum 1/2 rack housing



Connections

FRONT

- (4) 5pin DMX/RDM optically isolated ports
- Ports are bidirectional for DMX In and Output
- Full color OLED display
- Encoder w. Push to Select / Exit Button BACK
- Locking Power In/Thru
- (2) Locking RJ45 Ethernet network connections (1x POE)

Mounting

- Standalone
- Truss-mount (M10 or M12 mounting hole)
- Wall-mount horizontal or vertical (included)
- DIN Rail horizontal or vertical (included)
- Rack-mount option (requires NET Shelf)

Physical

- Length: 215 mm (8.5 in.)
- Width: 139 mm (5.5 in.)
- Height: 42 mm (1.65 in.)
- Weight: 1 kg (2.2 lbs)

Electrical

- 100-240 V nominal, 50/60 Hz, 10W . POE 802.3af



EP4

The NETRON EP4 is a compact Ethernet to DMX gateway with four RDM compatible ports. It is configurable via its internal web remote and powered over Ethernet or via the USB-C connection. VISIT WEBSITE.

Key Features

- RDM, Artnet and sACN support
- Factory and user presets for plug and play setups – POE or USB-C powered
- 99 Internal cues with fade and delay time
- Remote configuration via internal webpage
- Powder-coated aluminum housing



. Tablet not included

Connections

FRONT

- (4) 5pin DMX/RDM optically isolated ports
- Ports are bidirectional for DMX In and Output BACK
- (2) Locking RJ45 Ethernet network connections (1x POE) . USB-C power option (5V, 2A)

Mounting

- Standalone
- Truss-mount (M10 or M12 mounting hole)
- Wall-mount horizontal or vertical (included)
- DIN Rail horizontal or vertical (included)

Physical

- Length: 133.5 mm (5.3 in.)
- Width: 118 mm (4.6 in.)
- Height: 42 mm (1.65 in.)
- Weight: 0.5 kg (1.1 lbs)

Electrical

- USB-C 5V
- POE 802.3af



RDM 10

The NETRON RDM 10 is a first of its kind hybrid splitter. Dual DMX input, 10 port RDM Splitter, Merger and EtherDMX Gateway are unified into the RDM10, with an advanced feature set to cover a wide variety of applications. 99 internal cues, factory and user presets plus external contact closures provide a unique combination of multiple devices to solve many required tasks in one powerful unit. [VISIT WEBSITE](#)

Key Features

- 10 assignable DMX outputs
- Integrated 2 Universe Artnet/sACN node
- Configurable DMX refresh rate
- Dual DMX Inputs for backup and signal loss options
- Remote configuration via internal webpage
- 1.8" OLED Display with rotary knob
- 99 Internal cues with fade and delay time
- Contact closures for cue or preset recall
- Powder-coated aluminum rackmount housing

Connections

FRONT

- (2) 5pin DMX Input
- (10) 5pin Opto-Isolated DMX Outputs . Full color OLED display
- Encoder w. Push to Select / Exit Button BACK
- (2) 5pin DMX Input (parallel with front) . (2) 5pin DMX Through
- (2) Locking RJ45 Ethernet Network In . (10) Contact Closures (Terminal Block) . Locking Power In/Thru

Physical

- Length: 482.5 mm (19 in.)
- Width: 146 mm (5.7 in.)
- Height: 44 mm (1.7 in.)

- Weight: 1.82 kg (4 lbs)

Electrical

- 100-240 V nominal, 50/60 Hz, 10W . POE 802.3af



RDM 6XL

The NTERON RDM 6XL is a rugged and compact DMX/RDM Splitter. Designed for live production and installations, it features six opto-isolated 5pin XLR outputs and flexible mounting options to cover any situation. [VISIT WEBSITE](#)

Key Features

- (6) XLR 5pin outputs
- DMX and RDM compliant
- Optically isolated ports
- Power / DMX Through connectors
- Powder-coated aluminum ½ rack housing

Connections

FRONT

- 5pin DMX Input
- (6) 5pin Opto-Isolated DMX Outputs
- RDM Enable BACK
- 5pin DMX Input (parallel with front)
- 5pin DMX Through
- Terminate
- Locking Power In/Thru

Mounting

- Standalone
- Truss-mount (M10 or M12 mounting hole)
- Wall-mount horizontal or vertical (included)
- DIN Rail horizontal or vertical (included)

- Rack-mount option (requires NET Shelf)



TRUSS MOUNT

Vertical or horizontal mounting with clamp

Physical

- Length: 215 mm (8.5 in.)
- Width: 139 mm (5.5 in.)
- Height: 42 mm (1.65 in.)
- Weight: 1 kg (2.2 lbs)

Electrical

- 100-240 V nominal, 50/60 Hz, 10W



RDM 645

The NETRON RDM 645 is a rugged and compact DMX/RDM Splitter. Featuring six opto-isolated RJ45 DMX outputs and flexible mounting options to cover any situation. [VISIT WEBSITE](#)

Key Features

- (6) Locking RJ45 Ethernet DMX outputs
- DMX and RDM compliant

- Optically isolated ports
- Power / DMX Through connectors
- Powder-coated aluminum ½ rack housing

Connections

FRONT

- Locking RJ45 Ethernet DMX Input
- (6) Locking RJ45 Ethernet Opto-Isolated DMX Outputs
- RDM Enable BACK
- Locking RJ45 Ethernet DMX Input (parallel with front)
- Locking RJ45 Ethernet DMX Through
- Terminate
- Locking Power In/Thru

Mounting

- Standalone
- Truss-mount (M10 or M12 mounting hole)
- Wall-mount horizontal or vertical (included)
- DIN Rail horizontal or vertical (included)
- Rack-mount option (requires NET Shelf)



Physical

- Length: 215 mm (8.5 in.)
- Width: 139 mm (5.5 in.)
- Height: 42 mm (1.65 in.)
- Weight: 1 kg (2.2 lbs)

Electrical

- 100-240 V nominal, 50/60 Hz, 10W



Documents / Resources



[NETRON EN12 RDM Splitters](#) [pdf] User Guide
EN12 RDM Splitters, EN12, RDM Splitters

References

-  [Obsidian Control Systems](#)