

Rackmount Converter DMX/RDM Splitter/Isolator

XVVR-OPTO3



The DMX/RDM splitter is a high quality, rugged distribution device for your DMX-512 and RDM signals.

Available in both traditional 1RU, 8 channel form factor, or as a modular, 3 channel unit compatible with Theatrical's Award-Winning 8-Bay Reversible Converter System, the product opens up interesting possibilities for high-universe count, high density configurations. For maximal compatibility, the device is offered with a choice of 3-pin or 5-pin XLR connectors.

The input and each output are optically isolated up to 1000 volts, ensuring line failures are contained and do not take down the whole network. RDM data is forwarded to each port, and a special "Timing Safe Mode" bypasses RDM transmitting and boosts the DMX signal quality to ensure compatibility with older-generation fixtures. It is also a handy troubleshooting feature that can be easily switched on or off at the push of a button.

Features

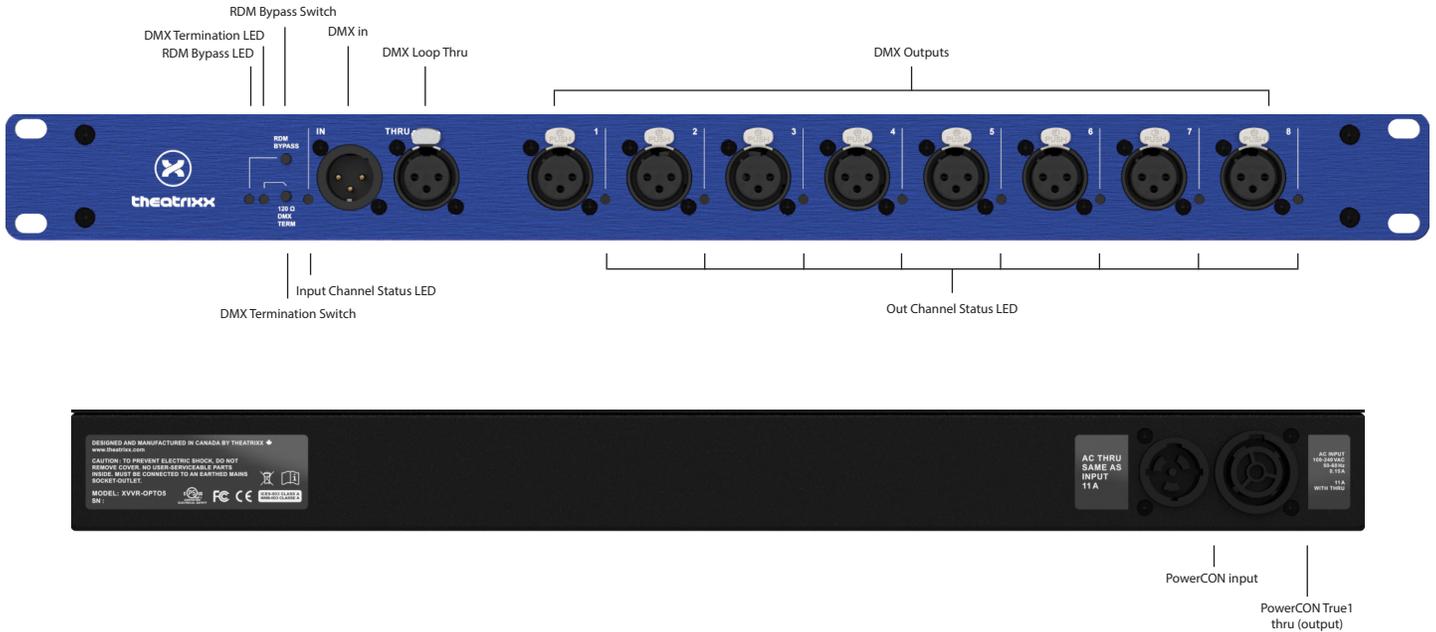
- › Compatible with **DMX-512A (RDM) and DMX-512 (1990)**.
- › Comprehensive **protection against severe electrical faults** on DMX lines.
- › **Switchable DMX Termination** on input.
- › **Timing-safe mode filters and retimes** incoming signal.
- › **Fully isolated** input and output ports.
- › **Multi-function LED status indicator** for each port.
- › Available both as a standalone rack-mountable device or as part of the xVision Reversible Converter modular system.

Ordering Information

XVVR-OPTO3 Theatrical DMX/RDM Splitter/Isolator 1:8 + thru. 1RU - XLR3

XVVR-OPTO5 Theatrical DMX/RDM Splitter/Isolator 1:8 + thru. 1RU - XLR5

Overview



Inputs/Outputs

Input	3-pin XLR male
Loop-Thru	1 x 3-pin XLR female
Isolated Outputs	8 x 3-pin XLR female

Supported Signals

DMX Termination	Switchable on/off
RDM Support	Yes
RDM Bypass	Switchable on/off
Port Isolation Voltage	Up to 1kV
Timinig Safe Mode	33 FPS, 512 Slots, 88us Break, 44 us MAB

Physical Specifications

Height	43.43 mm (1.7 in) – 1 RU
Depth	178 mm (7 in)
Width	482.6 mm (19 in)
Weight	3.75 kg (8.25 lbs)

Environnemental Specifications

Relative humidity	0% to 90% RH non-condensing
Operating temperature	0-40 °C

Power Requirements

Power Supply	Built-in power supply PowerCon with loop thru
Power Consumption	15W
Voltage Range	100-240V, 50-60Hz

In the Box

Theatrinx DMX/RDM splitter/isolator 1:8 + thru. 1RU XLR3
AC Mains to PowerCON True1 cable (1.5m, specify plug type at ordering, extra power cable on request)

Certifications & Compliance

This device complies with the following international standards

