

XH108R-B1

DMX Distribution Amplifier



Description

The XH108R-B1 Digital Signal Distribution Amplifier is designed specifically for reshaping, amplifying, and distributing DMX512 digital lighting control signals with eight or four isolated outputs. Each input interface employs high-voltage isolation, making it suitable for amplifying DMX512 signals weakened by distance and providing complete electrical isolation between distribution output interfaces, and between input and output interfaces. This independent isolation prevents issues caused by control lines, moving lights, and dimmer packs, safeguarding the digital lighting control console from potential damage and ensuring the DMX signal reliably reaches lighting equipment, thereby enhancing the overall control system's reliability.

Features

- DMX512 Signal Compatibility: Designed to amplify and distribute DMX512 digital lighting signals.
- Eight or four Isolated Outputs: Features eight or four electrically isolated output channels for safe signal distribution.
- High Voltage Isolation: Provides over AC300V electrical isolation between inputs and outputs to protect connected equipment.
- Direct Signal Pass-through: Includes one direct-through output, electrically isolated from the main input.
- Wide Power Compatibility: Operates on AC90V~240V with 50Hz/60Hz support and 15W consumption.
- Compact Rack Design: Fits standard 19" racks in 1U space, with dimensions of 484 x 45 x 140 mm and weighing 1.9 kg.

Specifications

Model	XH108R-B1
Digital Signal Type	DMX512 Digital Signal Transmission
Signal Input & Output	1 Input, 1 Direct Output (Electrical Isolation Between the Signal Input and the Direct Signal)
Distribution Output	8 or 4 Electrically Isolated Outputs

Signal Connectors	Input - XLR-3-M; Output - XLR-3-F
Electrical Isolation (Input to Output)	>AC300V
Power Supply	AC90V~240V, 50Hz/60Hz, 15W
Dimensions (mm)	484 × 45 × 140mm 19" 1U
Weight	1.9kg

Front / Rear Panel

