PL-CT8N

Overview

The professional DMX512 signal splitter is designed to distribute DMX512 control signals reliably across multiple lighting fixtures and devices. Featuring 4-way or 8-way isolated signal distribution, it provides input-to-output and output-to-output electrical isolation exceeding 1000VDC, helping protect connected equipment against electrical interference and potential signal faults.
Built around RS-485 differential signal transmission, the unit ensures stable signal distribution and enhanced noise immunity for professional lighting control systems. Equipped with 3-pin XLR input and passive loop-through connections, professional -Grade Connectors, it offers flexible integration into existing DMX512 networks.
Housed in a professional-grade 1U, 19-inch rack-mount enclosure, the unit is suitable for installation in stage lighting systems, theatres, event venues, studios and other professional lighting applications. Manufacturing is carried out under an ISO 9001:2015 Certified Manufacturing System.

Feature

- 4-Way / 8-Way DMX512 Distribution: Supports flexible signal distribution to multiple lighting fixtures and devices.
- Full Electrical Isolation: Input-to-output and output-to-output isolation exceeding 1000VDC.
- RS-485 Differential Transmission: Enhanced noise immunity and reliable DMX512 signal transmission.
- Professional XLR Connectivity: 3-pin XLR input with passive loop-through connection, Professional -Grade Connectors.
- Stable Signal Processing: Designed for consistent signal buffering and distribution.
- Equipment Protection: Electrical isolation helps protect connected devices against signal faults and electrical interference.
- Professional Rack-Mount Design: Standard 1U, 19-inch rack-mount construction for convenient system integration.
- ISO 9001:2015 Quality Management.





Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk

PL-CT8N

Product Specification

Specifications	Detail
Power Supply	AC 90–240V, 50/60Hz, 15W, High-Reliability Power Supply
IP Rating	IP20 (Indoor Use), Professional-Grade Construction
Compliance	DMX-512 (1990) Standard
Signal Standard	RS-485
Input/Output	3-Pin XLR Input + Passive Loop-Through, Professional - Grade Connectors.
DMX Input Signal	1-Way DMX512 Input
Output Configuration	8-Way or 4-Way Isolated DMX Splitter
Isolation Protection	Inputs Isolated from Outputs >1000VDC; Outputs Isolated from Each Other >1000VDC
Signal Processing	High-Stability Signal Buffering and Distribution
Circuit Protection	Enhanced ESD and Transient Voltage Protection
Signal Integrity	Enhanced Noise Immunity and Signal Integrity
Internal Components	High-Quality Industrial-Grade Electronic Components
Rack Mount	1U, 19-Inch Rack Mount
Dimensions (W × D × H)	48 × 17 × 4.3 cm
Weight	2.6 kg
Quality Management	ISO 9001:2015 Certified Manufacturing System

Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk