

## Digital Fiber Optic Audio Transceivers

### 4AA-XLR

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## Overview

4 ch BIDI balanced audio over fiber series support 4 Channel BIDI 16-bit digitally encoded broadcast quality balanced audio over one multi-mode or single-mode optical fiber. These fiber optic transmitter and fiber optic receiver are typically used in applications for Rental, Staging, Theater, Stadiums, Theme Parks, Broadcast/Studio, CCTV audio and Professional AV applications, etc, and are available for stand-alone or rack-mount installations. FC, ST or SC optical connectors is optional.

Plug and Play design ensures adjustment-free installation and operation, and optical adjustments are never required. LED indicators are provided to instantly monitor the system operating status.

## Specifications

### Optical:

Wavelength	1310nm&1470nm~1610nm
Output Power	-10~ -5dBm / -5~0dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-25dBm
Optical connector	FC、ST、SC 、LC(optional)
Distance	0~500M (MM) / 0~20KM/40KM/60KM/80KM (SM)

### Balanced Audio

Number of Channels	4 Input + 4 Output
Input Connector	XLR (female)
Output Connector	XLR (male)
Input / Output Impedance	10K Ohm
Input capacitance LINE inputs	10 pF
Max input/output voltage	1Vp-p
Frequency Response	20 Hz~24kHz @ ± 3dB
Sample Rates From	48kHz
SNR	> 80dB

### Electrical & Mechanical

Power Adapter:	AC 90V~240V
Power Consumption:	< 8W
Installation	19" 1U rack-mount chassis
Shipping Weight:	(include Transmitter & Receiver ) 7kg

### Environmental

Operating Temperature:	-20°C ~ +75°C
Storage Temperature:	-40°C ~ +85°C
Relative Humidity:	0% ~ 95% (non-condensing)
MTBF:	>100,000 hours

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### Audio connection diagram

