

SES-X-FA2LRT01 Datasheet

DESCRIPTION:

The SES-X-FA2LRT01 is a 2-channel transmitter and receiver set that extends unbalanced line-level stereo audio over a single ST-terminated fiber-optic cable, eliminating the distance limitations and interference issues inherent to long copper runs. Each unit is equipped with red and white RCA connectors to support stereo line-level audio and ST connectors to handle fiber transmission. This design suits installations where copper audio runs would otherwise be impractical or susceptible to ground loops and EMI. The SES-X-FA2LRT01 can be mounted in a variety of ways, including front- or rear-facing 1RU mounting, half-rack mounting, quarter-rack mounting, and surface mounting.

FEATURES:

- 2-Channel RCA Audio over Fiber Transmission
- ST Fiber Connectors
- 24-Bit Digitally Encoded Analog Audio
- Plug & Play Operation
- Enable Cascaded Audio Setups
- Unbalanced Line Level Audio Operation
- Indicator LEDs Monitor Fiber Link and Power
- Housed in Rugged Aluminum Enclosures
- Mounting Ears and Joiners for a Variety of Mounting Options
- FCC & RoHS Compliant



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SPECIFICATIONS:

General Specs:

- **Dimensions (LxWxD):**
 - Not Including the Ears: 1.75" x 4.25" x 4.2"
- **Fiber Type:** OM3/OM4 Multimode or Single Mode
- **Fiber Transmission Distance:**
 - Multimode: 984 Feet
 - Single Mode: 12.4 Miles
- **Fiber Connector:** ST
- **Input Power:** 2.1mm Locking 12VDC/2A

Line Level:

- **Frequency Response Deviation (20Hz-20kHz):** +/-0.087 dB
- **Signal to Noise Ratio at 0dBFS, A-weighted:** 95.3 dB
- **Total Harmonic Distortion at 1kHz, 0dBFS:** 0.0022%
- **Maximum Input Level:** 6 dBV
- **Maximum Output Level:** 6 dBV
- **Dynamic Range:** 110 dB
- **Gain:** -0.199 dB
- **Crosstalk:** -90 dB
- **Input Impedance (Ohms):** 10,000
- **Output Impedance (Ohms):** 100
- **Sample Rate/Bit Depth:** 48khz/24bit
- **Latency:** 0.5938 ms