

SESCOM[®]

DESIGNED BY AUDIO ENGINEERS FOR AUDIO ENGINEERS

SES-X-FA2LRT01

**Sescom SES-X-FA2LRT001 Audio Over Fiber Tx / Rx
Extender Set – 2 Channel Unbalanced RCA Line-
Level with ST Connectors**



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SAFETY PRECAUTIONS:

Please read all instructions before installing or operating this equipment and connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

1. To prevent fire or shock hazards, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be kept between -4°F and 140°F (-20°C and 60°C). Avoid direct sunlight exposure or extreme temperature changes over a short period of time.
3. Do not disassemble or place the unit on an unstable base.
4. Do not drop the unit and avoid heavy impacts.
5. This unit should not be permanently installed unless proper ventilation is provided. Any enclosure openings must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, turn off the power and unplug the unit from all connections. Use a damp cloth. Do not use liquid cleaners or aerosol cleaners.
7. Do not overload outlets and extension cords, as this may result in a risk of fire or electric shock.
8. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself; opening or removing covers may expose you to dangerous voltage and other hazards.
10. The unit does not contain user-serviceable parts. Contact your authorized dealer or an authorized repair service company if it requires service.

SES-X-FA2LRL01

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.

IN THE BOX

- 1x 2-Channel Transmitter with RCA Connectors
- 1x 2-Channel Receiver with RCA Connectors
- 2x 2.1mm Locking 12VDC/2A Power Supplies
- 2x 1 Meter Single Mode Fiber Optic Patch Cable
- 4x Mounting Ears
- 8x Joiners (preinstalled)



FEATURES:

- 2-Channel RCA Audio over Fiber Transmission
- ST 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

SPECIFICATIONS

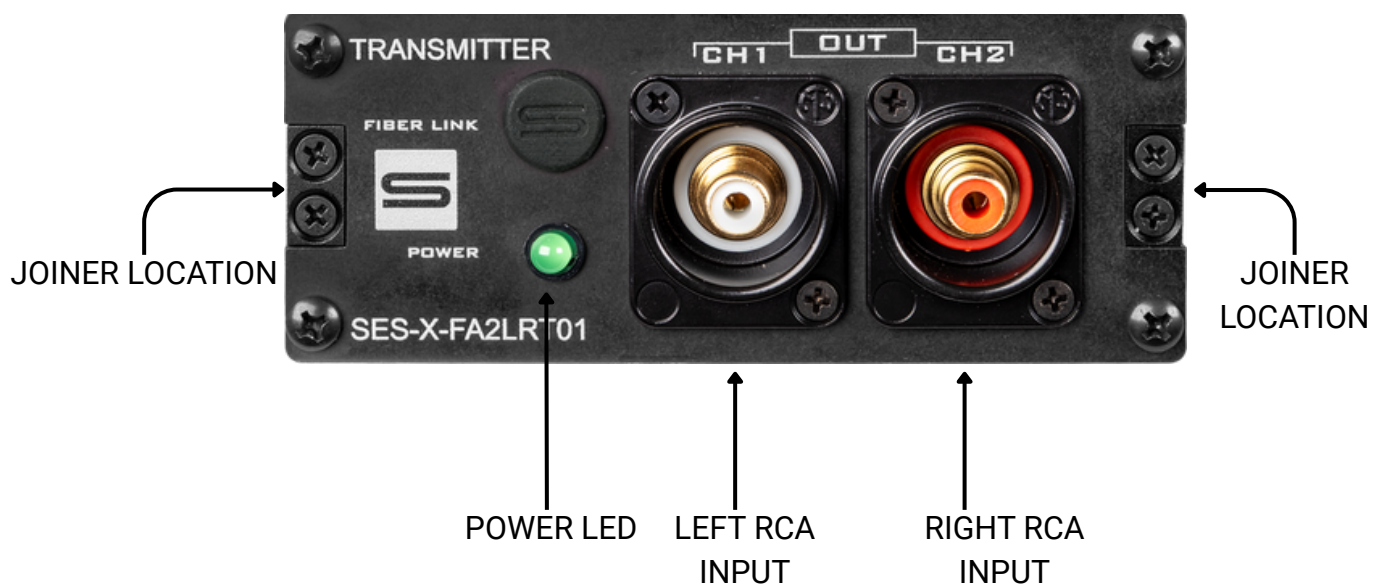
General Specs:

- **Dimensions (LxWxD):**
 - Not Including the Ears: 1.75" x 4.75" x 9 3/8"
- **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

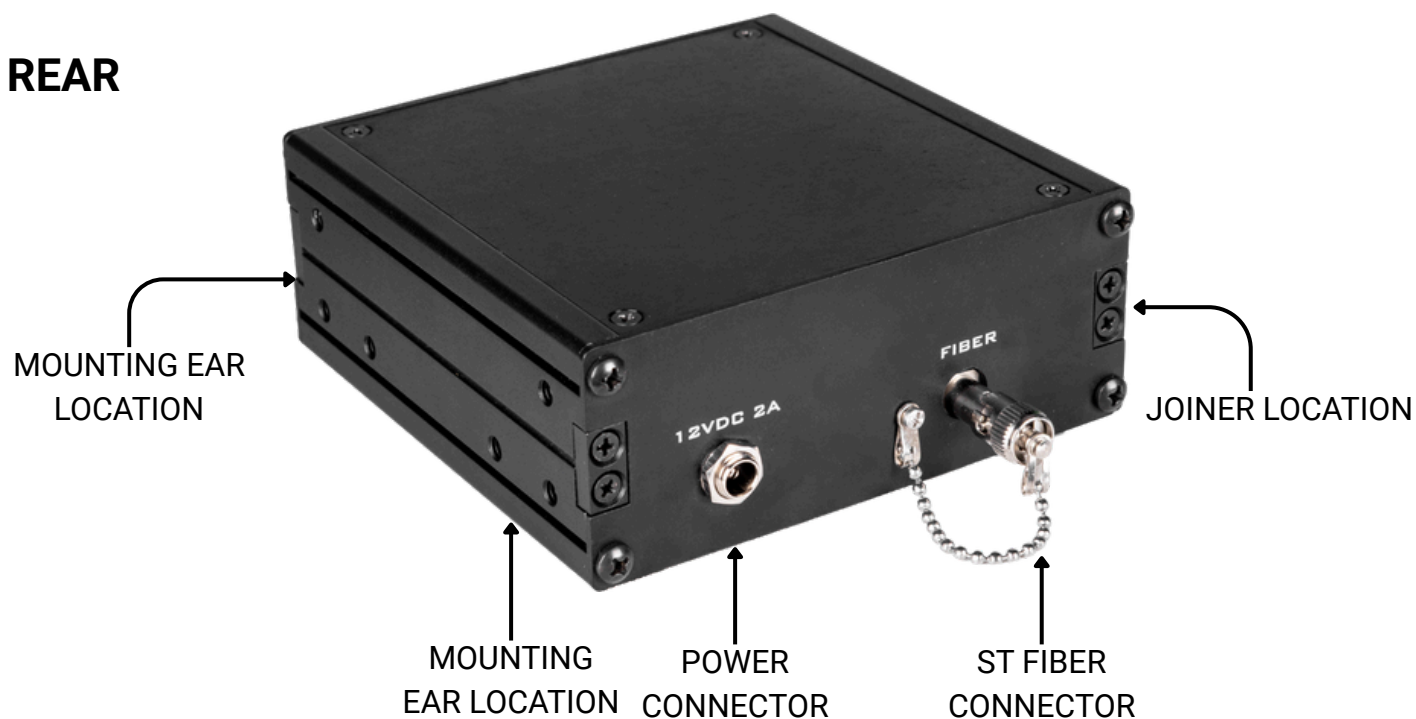
Line Level:

- **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

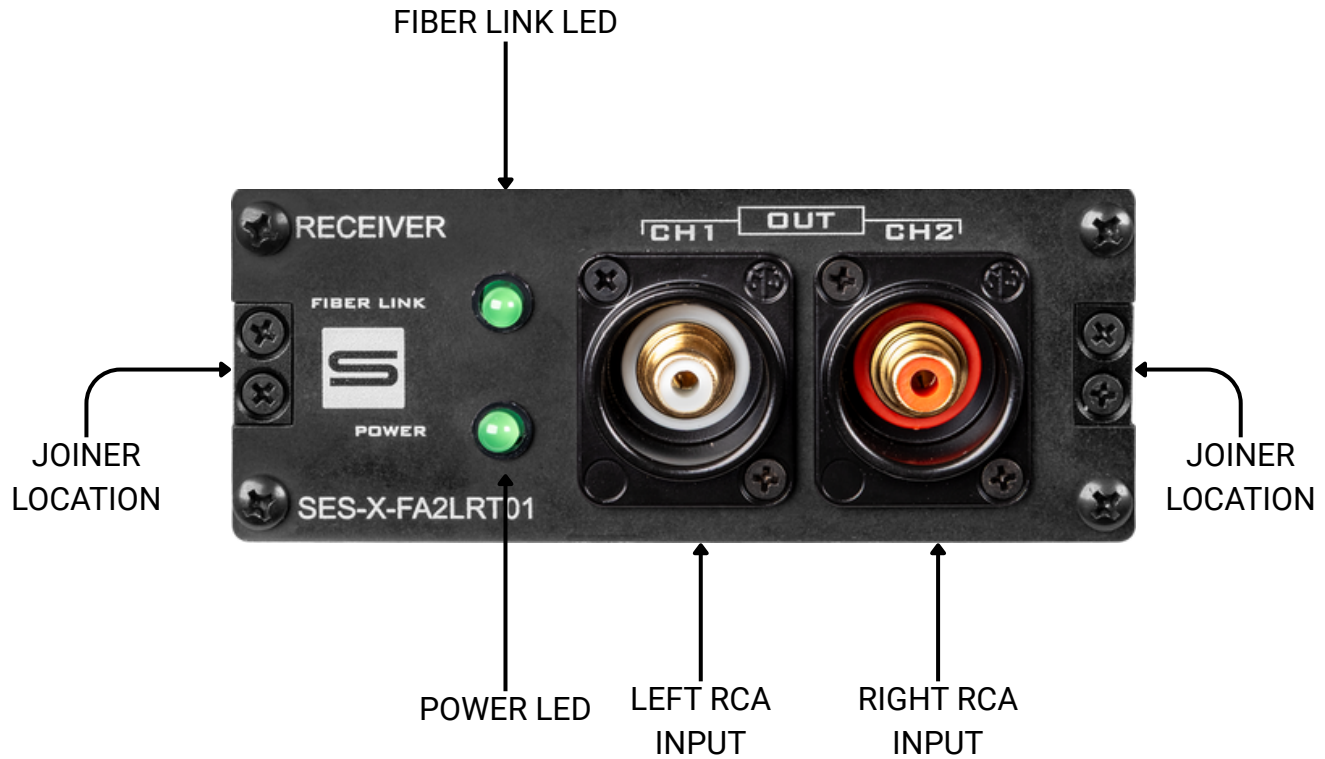
PANEL DESCRIPTION TRANSMITTER FRONT



REAR



PANEL DESCRIPTION RECEIVER FRONT



REAR



INSTALLATION AND CONNECTION

INSTALLATION REQUIREMENTS

- RCA Cable(s)
- ST Fiber Cable(s)
- Ensure the units will be in a safe location, where they will not be subject to impact and where there is room around the unit so nothing will interfere with the fiber optic cabling cause it to bend sharply in a tight radius in a way that can severely affect the signal transfer.



CONNECTION INSTRUCTIONS

1. Connect the source to the transmitter inputs and the receiving device to your receiver outputs via RCA connectors.
2. Ensure to clean all fiber optic connectors and connect the fiber cable to the ST fiber connectors on the rear of the devices.
3. Connect the included power supplies to the transceiver units and plug them into an AC power source.

SUPPORT & WARRANTY:

Sescom warrants cable assemblies to be free from manufacturer defects and are built to a +/- 2% tolerance of the overall length. Sescom tests and certifies all cable assemblies for insertion loss, return loss, and interferometric data prior to shipment on all fibers in both directions. Sescom cables have a limited lifetime warranty to be free from manufacturer defects. All other Sescom products are warranted for one (1) year from date of purchase, with parts and labor included. This warranty is limited to defects in workmanship or materials and does not cover customer damage, abuse, or unauthorized modification. If this product fails or does not perform as warranted, your recourse shall be repaired or replaced. Under no condition shall Sescom be liable for any damage incurred by the use of this product. This damage includes but are not limited to the following: lost profits, lost savings, or incidental or consequential damages arising from the use of or inability to use this product.

Sescom specifically disclaims all other warranties, expressed or implied, and the installation or use of this product shall be deemed as an acceptance of these terms by the user.

To determine warranty product failures, all warranty repairs must be returned freight prepaid and insured.

FEDERAL COMMUNICATIONS COMMISSION (FCC) COMPLIANCE NOTICES

CLASS A INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC CAUTION

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.