Fibernet
NEXT-LEVEL COMMUNICATIONS

Secured Fiber Audio Blocker Extender

Secured Fiber Audio Blocker Extender is Fibernet advanced solution for secure audio transmission. It is specifically designed to secure one-way audio blockers over long distances using optical fibre. The system consists of two units: a transmitter and a receiver. The transmitter converts the analog audio signal into an optical format, which is transmitted securely through the fibre cable. The receiver then reconverts the optical signal back into analog audio. This architecture ensures interference-free audio quality while safeguarding against communication surveillance.

FEATURES

- **Secure remote deployment:** This solution provides encrypted audio transmission between distant computers, servers, and workstations, ensuring data protection in sensitive environments.
- **Fibre-optic security infrastructure:** Leverages optical transmission technology to provide tamper-resistant, interference-immune connectivity. The system employs fibre-optic architecture to prevent signal interception, electromagnetic interference, and unauthorized monitoring, ensuring data integrity.
- **Plug-and-play deployment:** Enables instant operability without additional software or complex configuration requirements, streamlining implementation in secure environments.
- **Preserved audio integrity:** Retains original audio quality during transmission, ensuring high-fidelity sound while maintaining the one-way secured audio blocker

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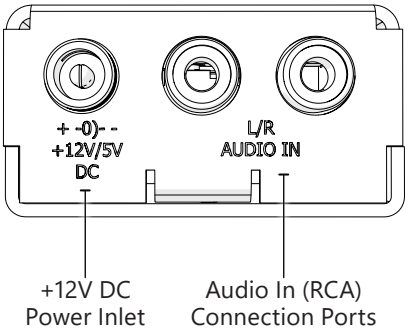
PORTS

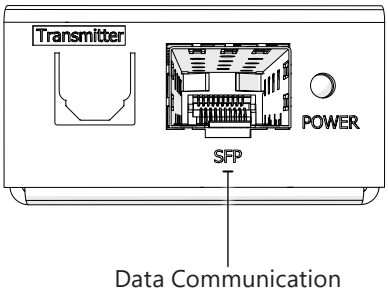
CONNECTION PORTS	TRANSMITTER (FS-SAUD-RCA-TX)	RECEIVER (FS-SAUD-RCA-RX)
Audio (out)	N/A	1x RCA
Audio (in)	1x RCA	N/A
Data communication	SFP+	SFP+
Power inlet	+12V DC	+12V DC

Transmitter (FS-SAUD-RCA-TX)

Front View

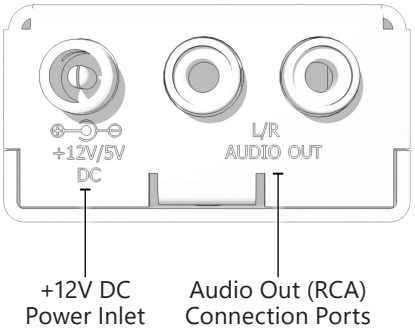


Rear View

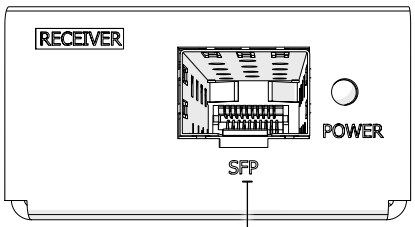


Receiver (FS-SAUD-RCA-RX)

Front View



Rear View



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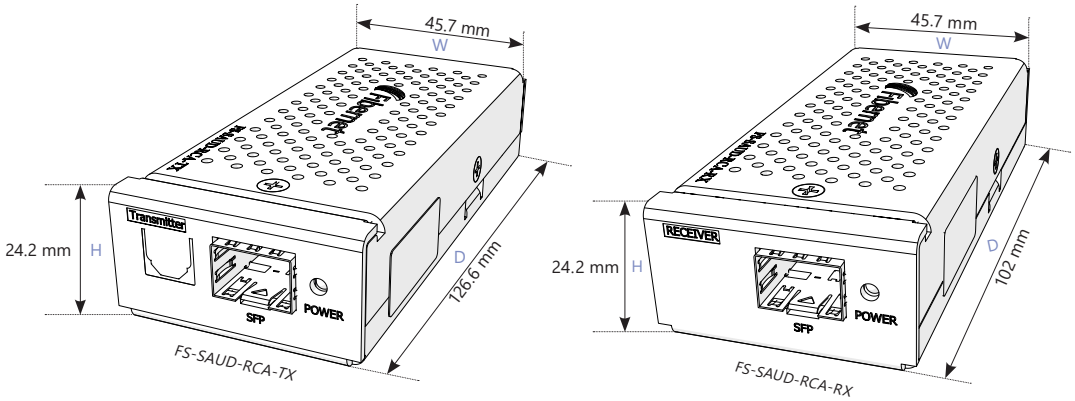
CAPABILITIES

FUNCTIONS	TRANSMITTER (FS-SAUD-RCA-TX)	RECEIVER (FS-SAUD-RCA-RX)
Unidirectional data transmission	Yes	Yes

SPECIFICATIONS

GENERAL SPECIFICATIONS	TRANSMITTER (FS-SAUD-RCA-TX)	RECEIVER (FS-SAUD-RCA-RX)
Input power	12V DC	12V DC
Max power consumption	5W	5W
Unit dimensions (H x W x D)	24.2 x 126.6 x 45.7 mm	24.2 x 102 x 45.7 mm
Package dimensions (H x W x D)	58 x 208 x 176 mm	58 x 208 x 176 mm
Unit weight	133 g	107 g
Weight (including package)	750 g	750 g
Operating temperature range	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
Storage temperature range	-20°C to 75°C (-4°F to 167°F)	-20°C to 75°C (-4°F to 167°F)
Operating humidity	Up to 90% (non-condensing)	Up to 90% (non-condensing)
Color	Black	Black



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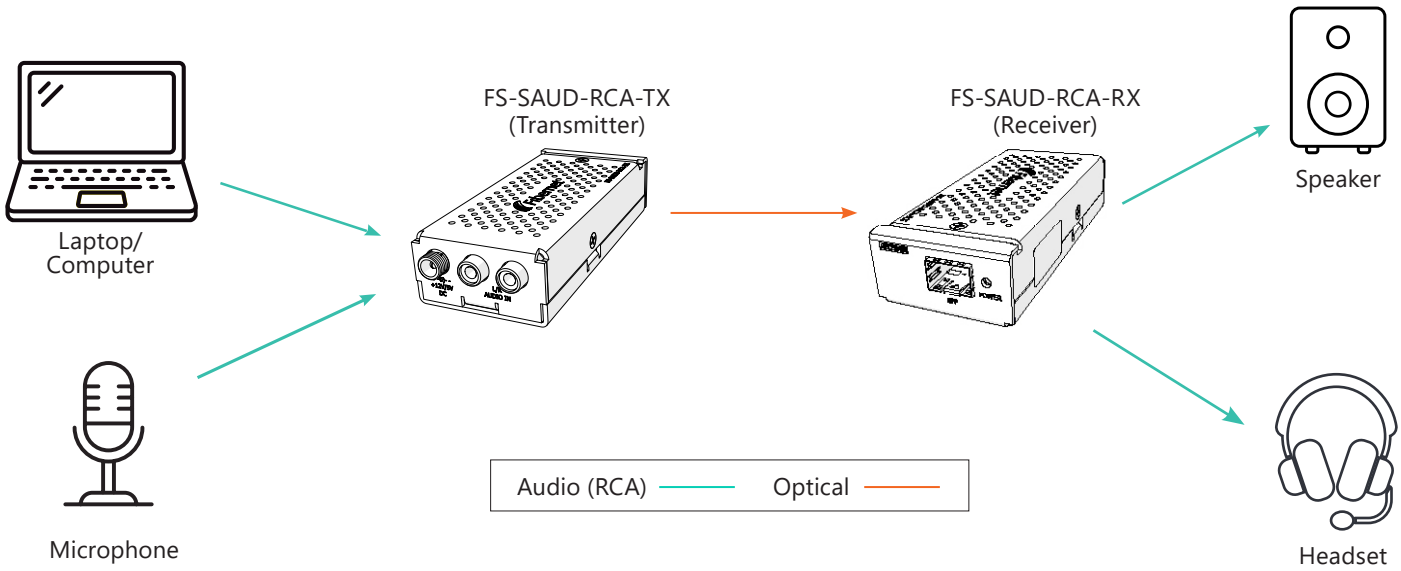
TYPICAL INSTALLATION LAYOUT



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FS-SAUD-RCA-TX	Secure audio optical extender – transmitter unit
FS-SAUD-RCA-RX	Secure audio optical extender – receiver unit

OPTIONAL ITEMS

PART NUMBER	DESCRIPTION
Q-SFP+-10G-SR-300M	SFP+ 10GBPS MM OPTICAL MODULE 850NM 300M
FG9-9999UU00200	20M OPTIC CABLE WITH LC/UPC
FG9-9999UU01000	100M OPTIC CABLE WITH LC/UPC

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