



# 2 Audio Over Fiber - RCA Transmitter / Receiver Kit

DATASHEET



Two-channel RCA analog audio over fiber system for long-distance, low-noise audio transport.



Transmitter front view: optical connector, two RCA audio inputs, PWR indicator, and FIBER link indicator.



Top chassis view with Thor Fiber branding and 2 Audio Over Fiber transmitter labeling.

## Model Number

F-2A-TxRx

Manufacturer: Thor Fiber

**Primary Purpose:** The F-2A-TxRx kit transports two unbalanced analog audio channels over a single optical fiber link. It is designed for clean long-distance RCA audio extension between source equipment and a remote mixer, amplifier, recorder, or speaker system while avoiding the distance limitations and noise issues of copper audio cabling.

<b>2 RCA Channels</b> Audio In 1 / 2 to Audio Out 1 / 2	<b>Single Fiber</b> One optical path between TX and RX	<b>Long Distance</b> Application drawing shows up to 120 km / 75 mi	<b>Status LEDs</b> PWR and FIBER indicators
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## Key Specifications

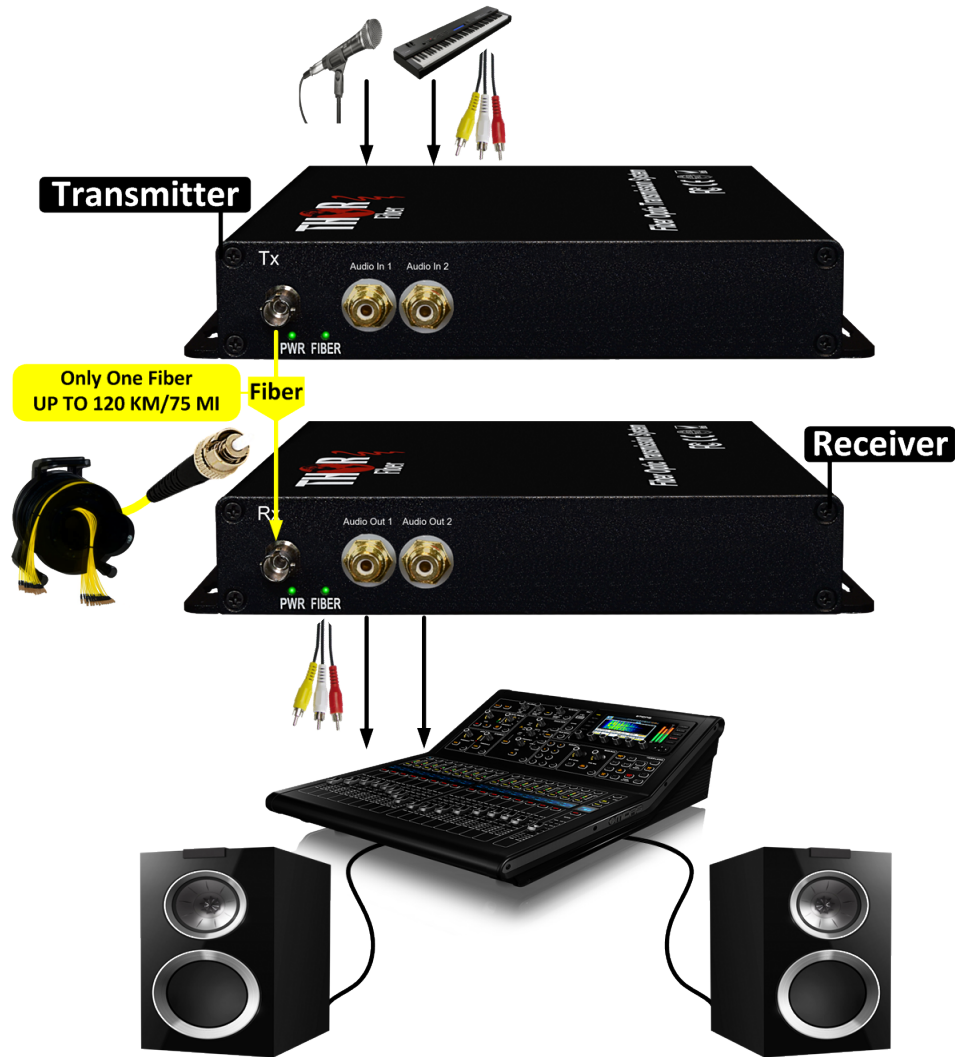
Category	Specification
Model Number	F-2A-TxRx
Manufacturer	Thor Fiber
Product Type	2-channel analog audio over fiber transmitter and receiver kit
Audio Interface	2x RCA audio input on transmitter; 2x RCA audio output on receiver
Transmission Direction	Unidirectional audio transport from transmitter to receiver
Fiber Requirement	One optical fiber between transmitter and receiver
Optical Distance	Up to 120 km / 75 mi shown in supplied application drawing; model/options dependent
Indicators	PWR and FIBER status LEDs visible on front panel
Chassis	Compact tabletop / wall-mount enclosure with mounting flanges
Typical Sources	Microphones with external preamp, keyboard/audio source, RCA analog audio, playback equipment
Typical Outputs	Mixer, amplifier, recorder, powered speaker chain, or distribution audio system
Power	Not specified on supplied URL/images
Operating Temperature	Not specified
Warranty	2-year limited warranty

## Core Features

- Transports two analog RCA audio channels over fiber for long-distance audio extension.
- Single-fiber link simplifies cabling between transmitter and receiver locations.
- Fiber transport helps avoid RF interference, ground loops, and signal degradation common in long copper runs.
- PWR and FIBER indicators provide quick local status confirmation.
- Compact enclosure with mounting flanges supports tabletop, rack shelf, wall, or equipment-room installation.
- Useful for moving stereo audio, program audio, keyboard output, microphone-preamp output, or line-level audio over fiber.
- Application drawing shows transmitter-to-receiver transport with RCA audio input and RCA audio output connections.
- Designed for professional AV, broadcast, venue, education, house-of-worship, and facility audio transport needs.

## Application Drawing

### 2 Audio Over Fiber Transmitter + Receiver



Application example: two audio channels are connected to the transmitter, transported over one fiber, and delivered from the receiver to downstream audio equipment.

## Connection Guide

Connection Point	Description
TX - Audio In 1 / 2	RCA audio inputs for two source channels.
RX - Audio Out 1 / 2	RCA audio outputs for two received audio channels.
Optical Port	Fiber interface between transmitter and receiver.
PWR LED	Power status indicator.
FIBER LED	Fiber/link status indicator.

## Target Applications

Target Application	Use Case
Broadcast / production audio	Extend stereo or dual-mono line-level audio between studios, control rooms, or production areas.
House of worship / venue audio	Send program audio from stage, booth, or AV room to a remote mixer or amplifier location.
Campus and facility AV	Move analog audio between buildings or across long cable paths using fiber infrastructure.
Live events	Create low-noise audio transport paths where long copper runs would be impractical.
Commercial AV distribution	Link audio sources to distant audio processors, speakers, or display-zone equipment.

## Notes

- No price or availability information is included in this datasheet.
- Specifications not visible in the supplied URL/images are marked as Not specified.
- Optical distance and connector options can vary by ordered configuration; verify final build before installation.
- Use the QR code on page 1 to open the live product page for current product information.