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Audio CAT Extender - 500m
User's Guide

Thank you for purchasing from gofanco. Our products aim to meet all your connectivity needs wherever you go. For optimum performance and safety, please read the instructions carefully and keep this User's Guide for future reference. If you need more information about our products, please visit www.gofanco.com. For technical support, please email us at support@gofanco.com. For drivers/manuals download, please go to www.gofanco.com/downloads.

Important Safety Notices

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating

- Shut off power and make sure environment is safe before installation
- Do not plug the Coaxial, Toslink, and CAT cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included DC12V power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The Audio CAT Extender - 500m extends digital audio signals up to 500 meters using an economical CAT cable.

Features

- Extends Toslink/Coaxial up to 500m (1640ft) over a CATx cable, or Analog up to 450m (1476ft)
- Audio inputs: Toslink, Coaxial, or Analog
- Simultaneous audio outputs: Toslink, Coaxial, Analog
- Auto input detection: Analog > Coaxial > Toslink
- Bi-directional PoC. Connect the power adapter to either the TX or RX to power both units
- Audio formats:
  - Toslink/Coaxial: PCM 2.0, Dolby/DTS 5.1
  - Analog: Stereo/PCM 2.0

Package Contents

- Audio CAT Extender -500m (1 TX & 1 RX)
- Power adapter (1pc)
- User's Guide

Product Layout

Figure 1: Transmitter (TX)

1 - Analog audio input
2 - Toslink input
3 - Coaxial input
4 - Power jack (12V/1A)
5 - CAT output

Product Layout Continued

Figure 2: Receiver (RX)

1 - Analog audio output
2 - Toslink output
3 - Coaxial output
4 - Power jack (12V/1A)
5 - CAT input

Hardware Installation

1. Power off all devices including your audio source and audio output device.
2. Connect your audio source device to the Transmitter's Analog, Coaxial or Toslink input connector with a Coaxial or Toslink cable (cable not included). **Note**: Only one input connector can be used at any one time. Input detection priority: Analog > Coaxial > Toslink.
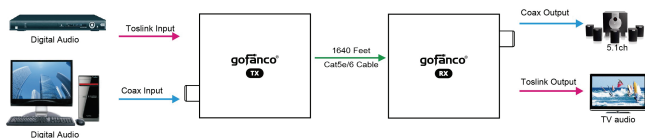
3. Connect a CAT cable between the Transmitter's CAT output and Receiver's CAT input (cable not included).
4. Connect your audio output device (TV, AVR, speakers, etc.) to the Receiver's Analog, Coaxial and/or Toslink output connector (cables not included). **Note**: Analog audio input: All three audio outputs can be connected and produce sound simultaneously. Digital audio input: Both Coaxial and Toslink outputs can be connected and produce sound simultaneously.
5. Plug the included power adapter into the Transmitter or Receiver's power jack, then plug the power adapter into a reliable power source. **Note**: Bi-directional Power over Cable (PoC) technology allows one power adapter to power both the TX and RX through CAT cable.
6. Power on all connected devices.
7. The extender is ready for use.

Application

Analog Audio Source Device

Analog audio formats: Stereo/PCM 2.0

Toslink/Coaxial Audio Source Device

Toslink/Coaxial audio formats: PCM 2.0, Dolby/DTS 5.1

Notes:

- Only one input connector can be used at a time
- Input detection priority: Analog > Coaxial > Toslink

Specifications

Operating Temperature Range	0 to +40℃(+32 to +104℉)
Operating Humidity Range	5 to 90%RH (No Condensation)
Data transfer speed	6.9Mbps
Connectors Transmitter	1xCat5e/6 out 1xPower DC 3xAudio in(for Analog, Optical and Coaxial)
Connectors Receiver	1xCat5e/6 in 1xPower DC 3xAudio out(for Analog, Optical and Coaxial)
Audio format	PCM2.0, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD, DTS ES Discrete 6.1, DTS ES Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel
Power consumption	1.5watts(Maximum)
Dimension (L×W×H)	58.5x54.7x21mm
Net Weight	182g(Pair)

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