



Coaxial/Toslink CAT5e/6 Extender - 300m User's Guide



P/N: AudioCATExt

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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 DC5V power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The Coaxial/Toslink CAT5e/6 Extender - 300m extends digital audio signals up to 300 meters using an economical CAT5e/6 cable.

Features

- Transmits Coaxial/Toslink digital audio signals from source device to Coaxial/Toslink audio output devices such as TVs, AVRs, and speakers up to 300 meters using economical CAT5e/6 cable
- Supports Digital Coax or Optical Toslink signals
- Power over Cable (PoC) allows one power adapter, connected to the Transmitter, to power the Receiver over CAT cable
- High performance with no signal loss

Package Contents

- Coaxial/Toslink CAT5e/6 Extender - 300m
- Power adapter (1pc)
- User's Guide

Product Layout

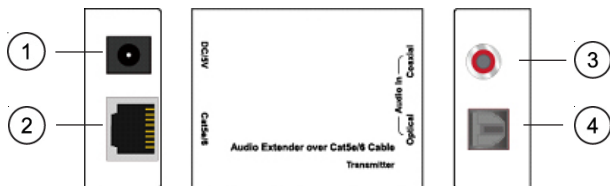


Figure 1: Transmitter (TX)

1. Power Jack	Connects to the included DC 5V power adapter
2. RJ45 Output	Links to the RJ45 Input of the Receiver
3. Coaxial Input	Connects to a Coaxial audio source device
4. Toslink Optical Input	Connects to a Toslink Optical audio source device

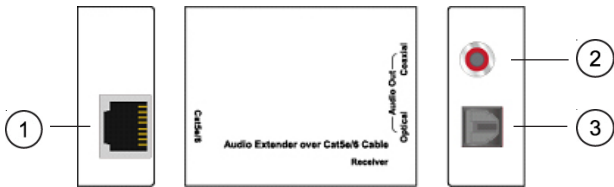


Figure 2: Receiver (RX)

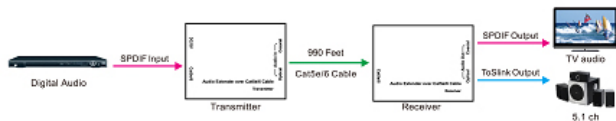
1. RJ45 Input	Links to the RJ45 Output of the Transmitter
2. Coaxial Output	Connects to a Coaxial audio output device
3. Toslink Optical Output	Connects to a Toslink Optical audio output device

Hardware Installation

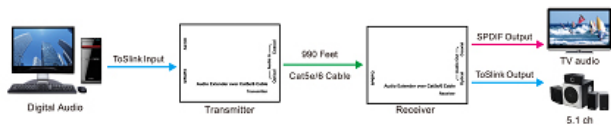
1. Power off all devices including your audio source and audio output device.
2. Connect your audio source device to the Transmitter's Coaxial or Toslink Input connector with a Coaxial or Toslink cable (cable not included). ***Note:** Only one input connector can be used at any one time.
3. Connect a CAT5e/6 cable between the Transmitter's RJ45 Output and Receiver's RJ45 Input (cable not included).

4. Connect your audio output device (TV, AVR, speakers, etc.) to the Receiver's Coaxial and/or Toslink Output connector (cables not included). **Note:** Both Coaxial and Toslink Outputs can be connected and produce sound simultaneously.
5. Plug the included power adapter into the Transmitter's power jack, then plug the power adapter into a reliable power source. Power over Cable (PoC) technology allows the power adapter connected to the Transmitter to power the Receiver through CAT cable.
6. Power on all connected devices.
7. The extender is ready for use.

Application



Coaxial Audio Source Device



Toslink Audio Source Device

Specifications

Operating Temperature	23 to 95F (-5 to 35C)
Operating Humidity	5% to 90% RH (non-condensing)
Data Transfer Rate	12.8 Mbps
Audio Format	Dolby 5.1, DTS Digital
Power Consumption	1 Watt (maximum)
Connectors Transmitter	Coaxial Input Toslink Optical Input RJ45 Output Power Jack
Connectors Receiver	Coaxial Output Toslink Optical Output RJ45 Input
Power Adapter	Output: 5VDC / 1A
Dimensions (L x W x H)	2.4" x 1.8" x 0.7"
Weight	150g (pair)

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