



Audio CAT Extender - 290m User's Guide



P/N: AudioCATExt33

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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 DC12V power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The Audio CAT Extender - 290m extends digital audio signals up to 290 meters using an economical CAT 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 290 meters using economical CAT cable
- Select from one of three inputs: Optical, Coax, or Analog
- Simultaneous audio outputs: Toslink, Coaxial, RCA (L+R). Analog-to-Digital and Digital-to-Analog audio supported
- Digital-to-Analog and Analog-to-Digital audio conversion supported
- Power over Cable (PoC) allows one power adapter, connected to the Receiver, to power the Transmitter over CAT cable

Package Contents

- Audio CAT Extender - 290m
- Power adapter (1pc)
- 4pcs Mounting ears and 8 screws
- 8pcs Plastic cushions
- User's Guide

Product Layout

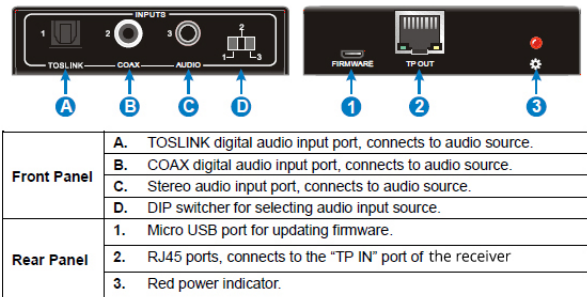


Figure 1: Transmitter (TX)

Product Layout Continued



Front Panel	A. TOSLINK digital audio output port, connects to audio output device for playing.
	B. COAX digital audio output port, connects to audio output device for playing.
	C. RCA (L+R) audio output port, connects to audio output device for playing.
Rear Panel	1. Micro USB port for updating firmware.
	2. RJ45 ports, connects to the "TP OUT" port of TPA33T Transmitter.
	3. Power port, connects to 12VDC power adaptor.
	4. Red power indicator.

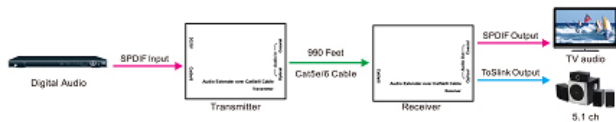
Figure 2: Receiver (RX)

Hardware Installation

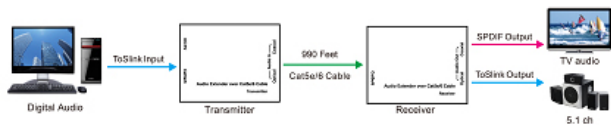
1. Power off all devices including your audio source and audio output device.
2. Connect your audio source device to the Transmitter's Coaxial or Toslink Input connector with a Coaxial or Toslink cable (cable not included). **Note:** Only one input connector can be used at any one time.
3. Connect a CAT 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 Receiver's power jack, then plug the power adapter into a reliable power source. **Note:** Power over Cable (PoC) technology allows the power adapter connected to the Receiver to power the Transmitter 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

TPA33T Transmitter		TPA33R Receiver	
Input	TOSLINK, COAX or AUDIO	Input	1 TP IN
Output	1 TP OUT	Output	TOSLINK, COAX & RCA (L+R)
General			
Audio Format	TOSLINK & COAX: PCM/Dobly/DTS; AUDIO: Stereo		
Sound Channel	TOSLINK & COAX: 2.0-7.1		
Frequency Response	20 Hz to 20 kHz, ± 3 dB		
Sample Rate	TOSLINK & COAX: 48k/96k/192k 16bit/18bit/24bit		
Transmission Distance	Stereo: Up to 170m (CAT5e/6/7) TOSLINK/COAX: Up to 290m (CAT5e/6/7)		
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC, 1A		
Power Consumption	2.5W (Max)		
Work Temperature	-10 ~ +55°C		
Humidity	10% ~ 90%		
Net Weight	TPA33T: 110g; TPA33R: 119g		
Dimension(W'H'D)	88mm x 80mm x 21.5mm		

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