



## Digital Audio over CAT Extender 300m

This Audio over CAT 5e/6 Extender can transmit digital optical and coaxial signals concurrently up to a distance of 300m (48kHz), 150m (96kHz) or 100m (192kHz). The receiver built-in DAC converts either of the digital (coax/toslink optical) signals to a 2CH analog stereo audio output. Support one-way POC function (the receiver will power the transmitter over the CAT cable).

This is a fantastic plug and play solution for sending optical audio from an HDTV back to an amplifier, AVR or multi-room audio system which requires an analog stereo audio input signal.

### Featured Highlights

- Extend optical and coaxial digital audio signals up to a distance of 300m
- (48kHz), 150m (96kHz) or 100m (192kHz) over a single CAT cable
- The optical and coaxial digital signals can be distributed at the same time
- Built-in DAC (Digital to Analog Converter) converts either optical or coaxial digital (selectable) to analog stereo left/right audio output (PCM only)
- Supports sample rates 32 kHz, 44.1 kHz, 48 kHz, 96 kHz, and 192 kHz up to a 24-bit resolution
- Supports LPCM, DTS, Dolby Digital, and Dolby Digital Plus when used as a straight digital in/digital out extender
- Supports one-way POC function. The transmitter is powered by the receiver through the CAT cable.
- Plug-and-play
- Small compact size
- Ultra-low jitter and high-fidelity design

## SPECIFICATIONS

Bitrate over Distance	192kHz - 100m, 96kHz - 150m, 48kHz - 300m
Supported Audio Formats	LPCM, DTS, Dolby Digital and Dolby Digital Plus when used as a straight digital in/digital out extender.
Sample Rates	32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz up to 24-bit resolution
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

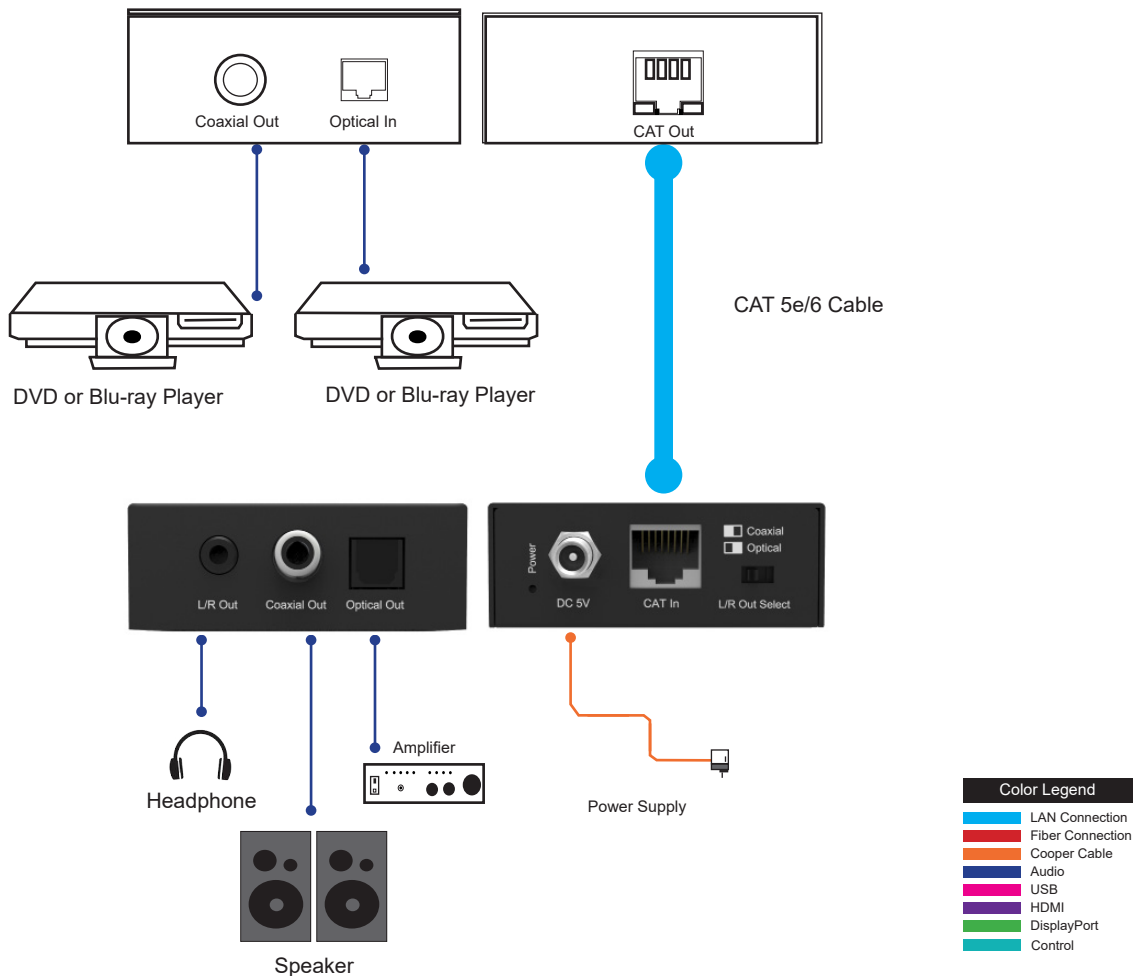
## CONNECTIONS

Transmitter	1x USB-B 1x DANTE [RJ45 connector, POE]
Receiver	Input port: 1x RJ45 Output ports: 1 × Optical (Toslink) 1 × Coaxial SPDIF RCA 1x Analog Stereo 3.5mm Audio jack

## MECHANICAL

Housing	Metal Enclosure
Color	Black
Casing Dimension	69mm(W) × 64mm(H) × 24mm(D)
Dimensions w/ connections	76mm(W) × 64mm(H) × 28mm(D)
Weight	0.4g
Power Supply	5V/1A DC
Power Consumption	1W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 - 90% RH (non-condensing)

## APPLICATION EXAMPLE



### Applications

Digital Signage, Conference Rooms, Operating Rooms and Audio-Video Rooms