NETVIO

AUDIO

EX-ARC-150-10

HDMI ARC & SPDIF Audio Extender 150m (492ft)



> Product Description

The Netvio EX-ARC-150-10 is a dedicated HDMI ARC audio extender that transmits ARC signals up to 150 m (492 ft) over a single Cat6/6A cable. Designed for simplicity and reliability, it enables TVs to return high-quality multichannel audio back to amplifiers or sound systems without loss or compression. With PoC (Power over Cable), bi-directional IR, and plug-and-play setup, the EX-ARC-150-10 is an installer-friendly solution that eliminates the limitations of HDMI cable runs.

As the perfect accessory for Sonos soundbars and other ARC-enabled systems, it provides a seamless way to integrate premium streaming audio into larger residential or commercial spaces, ensuring installers can deliver outstanding audio experiences with ease.

> Product Features

- Flexible Integration — Works equally well with ARC-enabled TVs and non-ARC sources via SPDIF.
- Simplified Cabling — A single CAT cable carries audio and power, reducing clutter.
- Reliable Compatibility — Supports CEC for ARC devices, ensuring smooth control and handshake.
- Professional Performance — Maintains low jitter, high fidelity audio over long distances.
- 150 m (492 ft) Transmission — Extend audio up to 150 m (96 kHz) or 90 m (192 kHz).
- ARC & SPDIF Modes — Switchable between HDMI ARC or optical SPDIF pass-through.
- CEC Pass-Through — Maintains device communication when in ARC mode.
- Audio Format Support — PCM 2.0, Dolby 5.1, DTS 5.1.
- High Sample Rates — Up to 192 kHz at 24-bit resolution.
- PoC Powered — Bidirectional Power over Cable with Micro-USB power option.
- Compact & Durable — Robust metal housing for long-term reliability.

> Specifications

Audio

- Transmission Distance: 150 m @ 96 kHz; 90 m @ 192 kHz
- Audio Support: PCM 2.0, Dolby 5.1, DTS 5.1

Connectivity

- Inputs (TX): 1 × SPDIF (Optical), 1 × HDMI ARC (Type A), 1 × Micro-USB
- Outputs (RX): 1 × SPDIF (Optical), 1 × HDMI ARC (Type A), 1 × Micro-USB

Power

- Power: PoC bidirectional, 5V/2A Micro-USB (max 1 W)

Mechanical

- Dimensions (W × D × H): 90 mm × 72 mm × 20 mm (3.5″ × 2.8″ × 0.8″)
- Weight: 175 g (0.38 lbs) per unit
- Housing: Metal, black finish

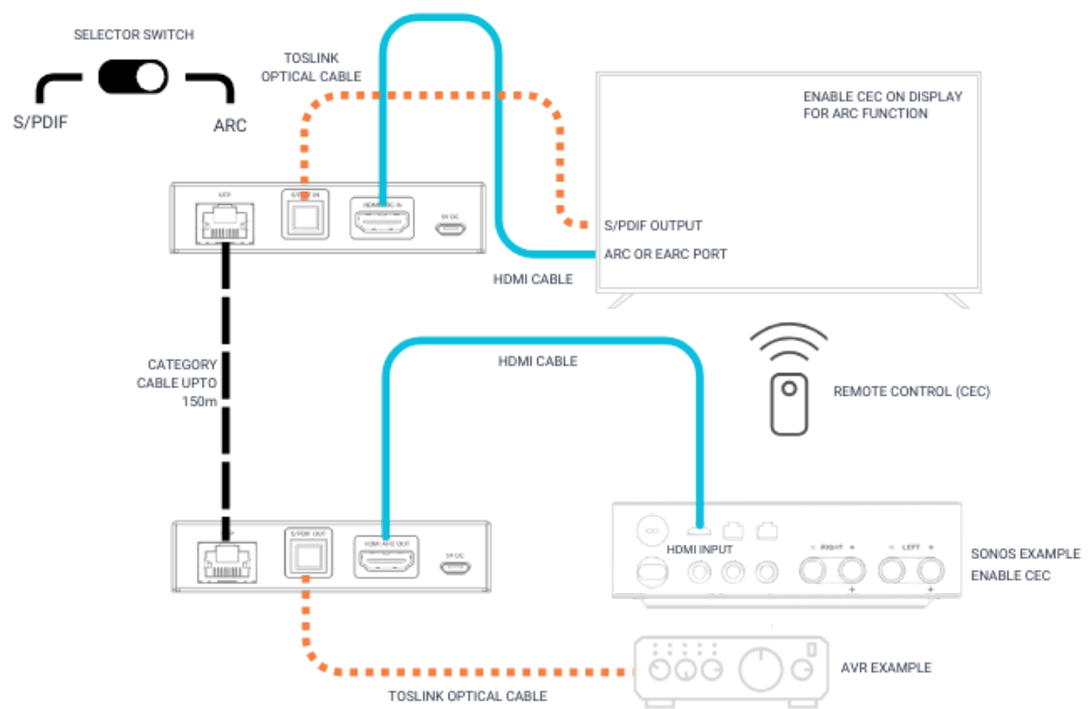
Environmental

- Operating Temperature: 0 °C to 40 °C (32 °F to 104 °F)
- Storage Temperature: -20 °C to 60 °C (-4 °F to 140 °F)
- Humidity: 20–90 % RH non-condensing

Compliance & Warranty

- CE, UKCA, RoHS
- 5-Year Warranty (subject to terms & conditions)

> Wiring Diagram



> What’s Included

- 1 × Transmitter (TX)
- 1 × Receiver (RX)
- 2 × Micro-USB power cables
- 2 × 5V/2A power adapters
- 1 × User Information

> A&E Description

Architects & Engineers Specification — Netvio EX-ARC-150-10

The extender shall provide HDMI ARC audio extension up to 150 meters (492 feet) over a single Cat6/6A cable. The system shall consist of a transmitter and receiver pair housed in compact metal enclosures.

The extender shall support ARC audio formats including Dolby Digital 5.1 and DTS 5.1, and transmit them uncompressed without degradation. The extender shall feature Power over Cable (PoC), allowing either the transmitter or receiver to be powered by the supplied PSU, with power delivered to the opposite end across the Cat6/6A cable.

The extender shall provide plug-and-play functionality with no configuration required, and include bi-directional IR pass-through for control integration. Status indicators shall be provided for power and link condition.
The product shall be the Netvio EX-ARC-150-10 HDMI ARC audio extender.