

EX-EARC-100-10

HDMI eARC & SPDIF Audio Extender 100m (328ft)



> Product Description

The Netvio EX-EARC-100-10 is a high-performance HDMI eARC audio extender designed to deliver uncompressed, lossless audio over a single Cat6/6A cable. Supporting distances of up to 100 m (328 ft), it transmits the full bandwidth of eARC audio formats including Dolby TrueHD, DTS-HD Master Audio, and Dolby Atmos without compromise.

With PoC (Power over Cable) functionality, bi-directional IR control, and simple plug-and-play setup, the EX-EARC-100-10 provides installers with the perfect solution for overcoming HDMI cable distance limitations. Built as the ideal companion for modern TVs, AV receivers, and premium sound systems, it ensures flawless audio return in both residential and commercial AV environments.

> Product Features

- Versatile Integration — Works with both ARC/eARC-enabled TVs and legacy SPDIF sources.
- High-Resolution Audio — Supports uncompressed and immersive audio formats including Dolby Atmos and DTS-HD MA.
- 100 m (328 ft) Distance — Extend HDMI eARC or SPDIF audio reliably over CAT cable.
- ARC & eARC Support — Supports PCM 2.0/5.1/7.1, Dolby Digital, Dolby Digital+, DTS, Dolby TrueHD, DTS-HD MA, and Dolby Atmos.
- SPDIF Mode — Dedicated pass-through for TVs without ARC/eARC function.
- CEC Pass-Through — Maintains control functionality in HDMI eARC mode.
- PoC Powered — Bidirectional Power over Cable with 12V adapter included.
- Compact & Durable — Metal housing ensures professional reliability.

> Specifications

Audio

- Transmission Distance: Up to 100 m (328 ft)
- Audio Formats:
 - eARC: PCM 2.0/5.1/7.1, Dolby Digital, Dolby Digital+, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos
 - ARC: PCM 2.0, Dolby 5.1, DTS 5.1
 - SPDIF: PCM 2.0, Dolby 5.1, DTS 5.1

Connectivity

- Inputs (TX): 1 × SPDIF Optical, 1 × HDMI eARC (Type A), 1 × DC 12V
- Outputs (RX): 1 × SPDIF Optical, 1 × HDMI eARC (Type A), 1 × DC 12V

Power

- Power Supply: DC 12V/1A (PoC supported, 1 adapter included)
- Power Consumption: < 5.65 W

Mechanical

- Housing: Metal, black finish
- Dimensions (W × D × H): 90 mm × 72 mm × 20 mm (3.5" × 2.8" × 0.8")
- Weight: 184 g (0.40 lbs) per unit

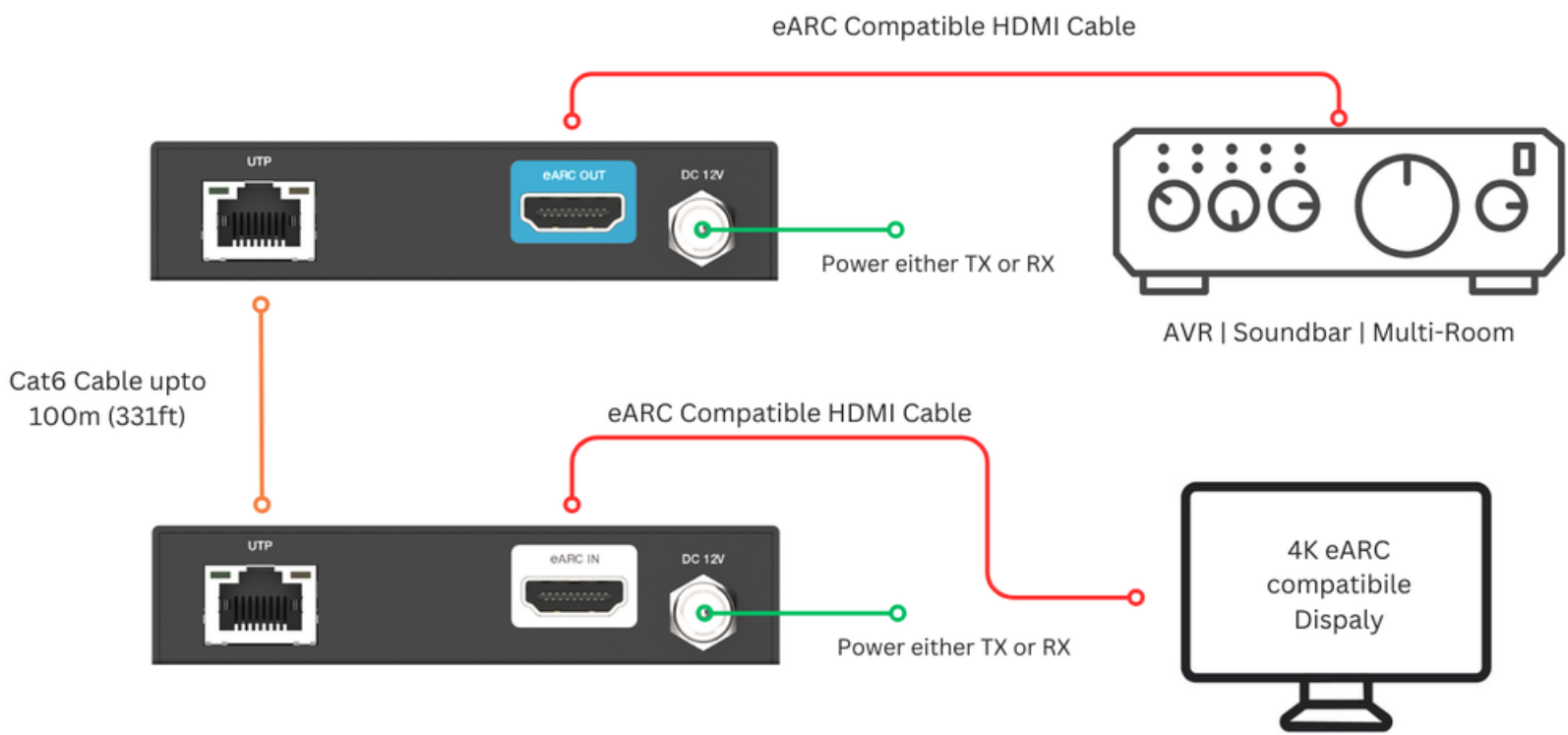
Environmental

- 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)
- 1 × 12V/1A locking power adapter
- 1 × User information

> A&E Description

Architects & Engineers Specification – Netvio EX-EARC-100-10

The extender shall provide HDMI eARC audio extension up to 100 meters (328 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 uncompressed, lossless audio formats, including Dolby TrueHD, DTS-HD Master Audio, and Dolby Atmos. Transmission shall occur without compression or degradation.

The extender shall support Power over Cable (PoC), allowing either the transmitter or receiver to be powered by the included external power supply, delivering power to the opposite end through the Cat6/6A link.

The extender shall be fully plug-and-play with no configuration required and shall include bi-directional IR pass-through for control signal extension.

The product shall be the Netvio EX-EARC-100-10 HDMI eARC audio extender.