

EX-HT2-701-10

70m (231ft), 4K60 (4:4:4), HDMI Extender over Cat6/6a Cable with HDR, ARC, Ethernet, Power & Control



> Product Description

The Netvio EX-HT2-701-10 is a high-performance 18Gbps HDMI over HDBaseT extender designed for professional AV applications. Supporting 4K60 4:4:4 video, HDR formats, ARC, bi-directional IR, RS-232 control, and PoC, it extends signals up to 70m over a single Cat6/6a cable.

The integrated ARC (Audio Return Channel) allows TV audio to return through the extender with selectable SPDIF or L/R analog output, ideal for soundbar and AVR integration.

A built-in LAN pass-through channel provides Ethernet connectivity at the remote display location, eliminating the need for a separate network cable. With local audio extraction and a robust metal housing, it delivers a flexible, reliable, and installer-friendly solution for both residential and commercial environments.

> Product Features

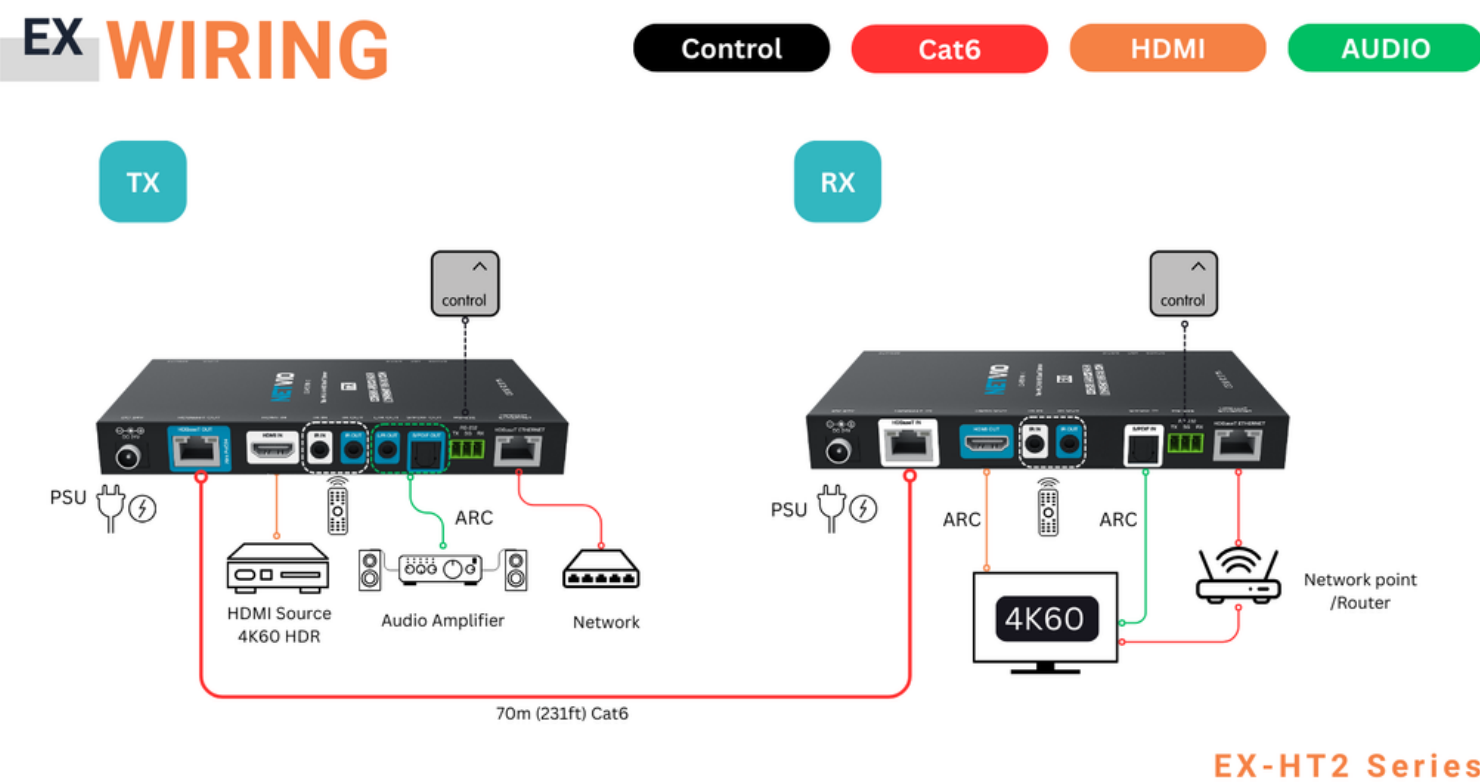
- HDMI 2.0b with HDCP 2.2 / DVI 1.0 compliant
- 18Gbps bandwidth, resolutions up to 4K@60Hz 4:4:4 with HDR10+, Dolby Vision & HLG
- Extends signals up to 100m / 328ft via single Cat6/6a
- HDBaseT LAN pass-through for Ethernet at remote locations
- ARC (Audio Return Channel) with selectable SPDIF or L/R analog output
- Local audio extraction on transmitter
- Bi-directional IR and RS-232 pass-through for full control flexibility
- PoC (Power over Cable) – one power supply for both units
- Wide audio format support: LPCM, Dolby, DTS, DTS:X

> Specifications

- **Video**
 - Compliance: HDMI 2.0b, HDCP 2.2 / 1.x, DVI 1.0
 - Bandwidth: 18Gbps
 - Resolutions:
 - 4K@60Hz 4:4:4 (8-bit)
 - 4K@60Hz 4:2:2 / 4:2:0 (10/12-bit)
 - 4K@30Hz 4:4:4
 - 1080p, 1080i, 720p, 480p
 - PC resolutions up to 1920×1200
 - Color Space: RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
 - HDR Support: HDR10+, Dolby Vision, HLG
 - **Audio**
 - HDMI: LPCM 2.0–7.1, Dolby Digital/Plus/TrueHD, DTS-HD, DTS:X
 - SPDIF: LPCM 2.0, Dolby Digital/Plus, DTS
 - Analog L/R: PCM 2.0
 - **Extension Distance**
 - 4K60: up to 100m / 328ft (Cat6/6a)
- **Connectivity**
 - **Transmitter (TX):**
 - 1× HDMI In (Type A, 19-pin female)
 - 1× HDBT Out (RJ45)
 - 1× SPDIF Out (Optical)
 - 1× L/R Out (3.5mm stereo mini-jack)
 - 1× LAN (RJ45)
 - Control: 1× IR In, 1× IR Out, 1× RS-232 (Phoenix), 1× USB (Service)
 - **Receiver (RX):**
 - 1× HDBT In (RJ45)
 - 1× HDMI Out (Type A, 19-pin female)
 - 1× SPDIF In (Optical)
 - 1× LAN (RJ45)
 - Control: 1× IR In, 1× IR Out, 1× RS-232 (Phoenix), 1× USB (Service)
 - **Power**
 - PoC (Power over Cable): Yes, only one unit requires DC 24V/1A supply
 - Power Supply: AC 100–240V, 50/60Hz input → DC 24V/1A output (locking connector)
 - Power Consumption: 13W (typical)
- Mechanical & Environmental**

 - Dimensions: (W×D×H): 163 × 90 × 16 mm (6.42" × 3.54" × 0.63")
 - Weight: TX 170 g (0.37 lbs), RX 165 g (0.36 lbs)
 - Operating Temperature: 0–40°C / 32–104°F
 - Storage Temperature: –20–60°C / –4–140°F
 - Humidity: 20–90% RH (non-condensing)
 - ESD Protection: ±8kV air, ±4kV contact

> Wiring Diagram



> What's Included

- 1 × HDMI over HDBaseT Transmitter
- 1 × HDMI over HDBaseT Receiver
- 1 × IR Blaster Cable (1.5 m)
- 1 × IR Receiver Cable (1.5 m)
- 1 × 24V / 1A Locking Power Adapter
- 2 × 3-pin Phoenix Connectors
- 4 × Mounting Ears + 8 × Screws
- User information

> A&E Description

Architects & Engineers Specification – Netvio EX-HT2-701-10

The HDMI extender shall be capable of transmitting digital video resolutions up to 4K60 4:4:4 with support for HDR10+, Dolby Vision, and HLG, together with multi-channel digital audio, ARC, Ethernet LAN, bi-directional IR, and RS-232 control over a single Cat6/6a cable to a maximum distance of 70 meters.

The system shall consist of a transmitter and receiver set, both housed in compact metal enclosures with mounting hardware provided. The extender shall support Power over Cable (PoC) so that only one unit requires a 24V/1A supply, reducing installation complexity.

The transmitter shall provide local audio extraction, while the ARC function shall allow TV audio to be returned and output via either SPDIF or L/R analog connections. The extender shall include LED indicators for power, ARC, SPDIF, link, and HDCP status to aid installation and troubleshooting.