

EX-HT3-4001-10

HDBaseT 3.0 HDMI Extender with eARC/ARC (40m 4K, 70m 1080p)



> Product Description

The EX-HT3-4001-10 represents the next step in HDMI extension, powered by the advanced performance of HDBaseT 3.0. Earlier generations relied on compression to deliver 4K content, but HDBaseT 3.0 eliminates these compromises by transporting uncompressed 4K60 4:4:4 with HDR over Cat6/6a cabling, ensuring pixel-for-pixel accuracy on today's large HDR screens and LED walls.

This next-generation platform also integrates eARC/ARC audio return, allowing immersive formats such as Dolby Atmos and DTS-HD Master Audio to be passed back to amplifiers or receivers without quality loss. With zero-latency video, uncompromised audio, and seamless control integration, the EX-HT3-4001-10 is designed for premium home cinema, professional AV environments, hospitality, and commercial applications where reliability and true signal fidelity are critical.

> Product Features

- Powered by HDBaseT 3.0 – uncompressed 4K60 4:4:4, zero-latency video
- HDR compatibility – HDR10, HDR10+, Dolby Vision, HLG
- eARC/ARC audio return – Dolby Atmos, Dolby TrueHD, DTS-HD Master Audio
- HDMI 2.0b, HDCP 2.2/2.3 compliant for full UHD content support
- Transmission distance: 4K up to 40 m, 1080p up to 70 m over Cat6/6a
- Audio embedding/de-embedding via L/R and SPDIF ports
- Bi-directional IR, RS-232 & CEC passthrough for complete system integration
- Compact, durable metal housing with professional mounting accessories

- Resolution: Up to 4K60 4:4:4
- Bandwidth: 18Gbps
- HDR: HDR10, HDR10+, Dolby Vision, HLG

- Formats: LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS-HD Master Audio, DSD
- Audio Return: eARC/ARC via HDMI; SPDIF up to 5.1ch
- Audio Embedding/De-embedding: Supported via L/R stereo and SPDIF

- 4K up to 40 m (Cat6/6a)
- 1080p up to 70 m (Cat6/6a)

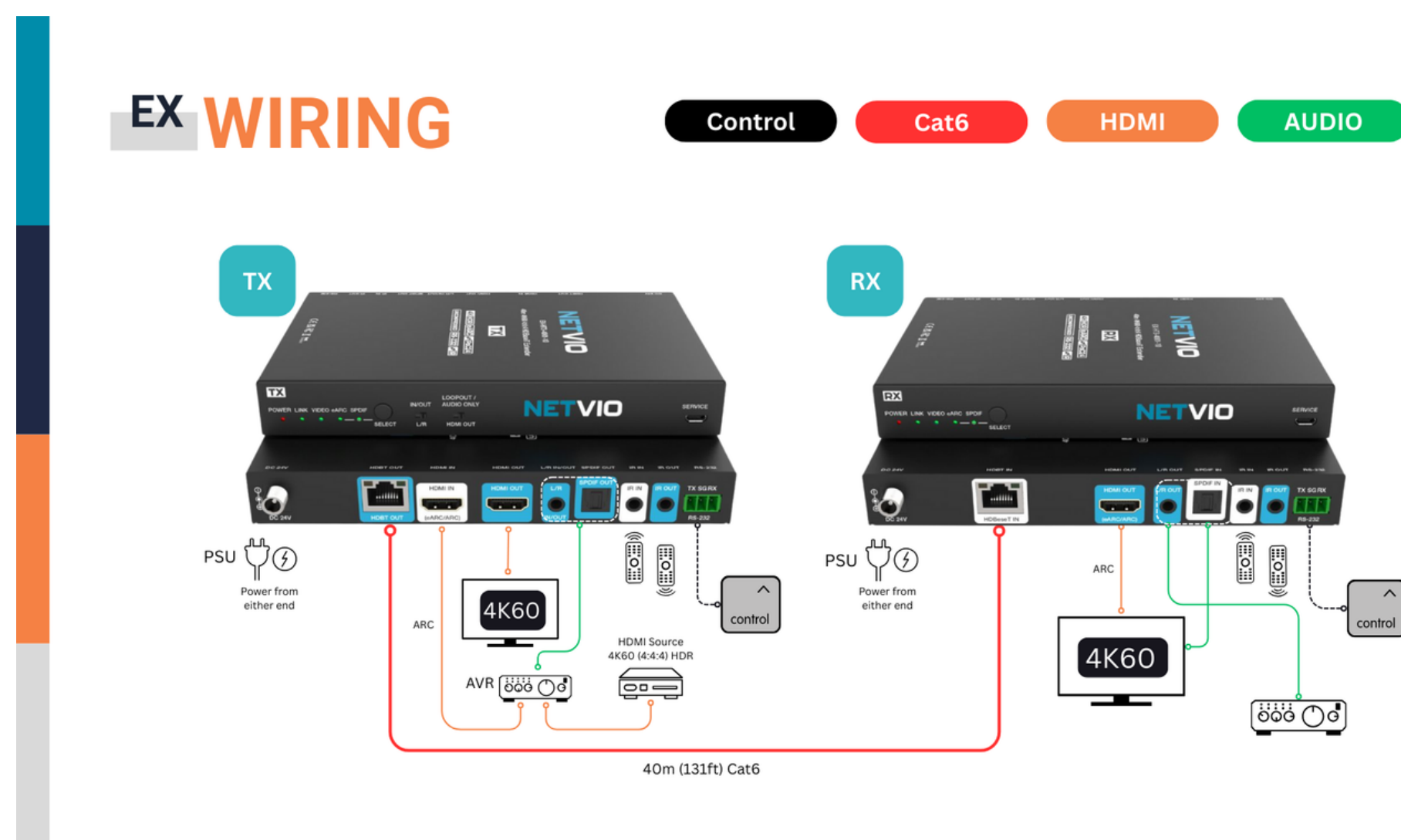
- **Transmitter (Tx)**
 - 1 × HDMI In (Type A, 19-pin)
 - 1 × HDMI Out (Loop/AUDIO ONLY selectable)
 - 1 × HDBaseT Out (RJ45)
 - 1 × SPDIF Out (Optical)
 - 1 × L/R In/Out (3.5 mm Stereo, embed/de-embed switchable)
 - 1 × RS-232 (3-pin Phoenix)
 - 1 × IR In (3.5 mm)
 - 1 × IR Out (3.5 mm)
 - 1 × Service Port (Mini-USB)
 - 1 × DC 24V (Locking)
- **Receiver (Rx)**
 - 1 × HDBaseT In (RJ45)
 - 1 × HDMI Out (Type A, 19-pin, with eARC/ARC support)
 - 1 × SPDIF In (Optical)
 - 1 × L/R Out (3.5 mm Stereo)
 - 1 × RS-232 (3-pin Phoenix)
 - 1 × IR In (3.5 mm)
 - 1 × IR Out (3.5 mm)
 - 1 × Service Port (Mini-USB)
 - 1 × DC 24V (Locking)

- Dimensions (Tx/Rx): 170 × 102 × 22 mm
- Weight: Tx 425 g / 0.94 lbs, Rx 437 g / 0.96 lbs
- Enclosure: Black metal housing

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

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

> Wiring Diagram



> What's Included

- 1 × EX-HT3-4001-10 Transmitter
- 1 × EX-HT3-4001-10 Receiver
- 1 × IR Blaster Cable (1.5 m)
- 1 × IR Receiver Cable (1.5 m)
- 4 × Mounting Ears with Screws
- 1 × 24V/1A Locking Power Adapter
- 1 × User Information

> A&E Description

Provide an HDBaseT 3.0 transmitter/receiver pair capable of transporting uncompressed 4K60 4:4:4 video with HDR10, HDR10+, Dolby Vision, and HLG across Cat6/6a cabling.

Each unit shall ship with mounting accessories and a locking power adapter in a compact metal enclosure designed for professional installation. The HDMI extender shall transmit digital video up to 4K60 4:4:4 with HDR10+, Dolby Vision, and HLG, together with multi-channel HDMI audio, stereo audio extraction, bi-directional IR, RS-232, and CEC control over a single Cat6/6a cable. Maximum extension distance shall be 40 meters at 4K60 and 70 meters at 1080p60.

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