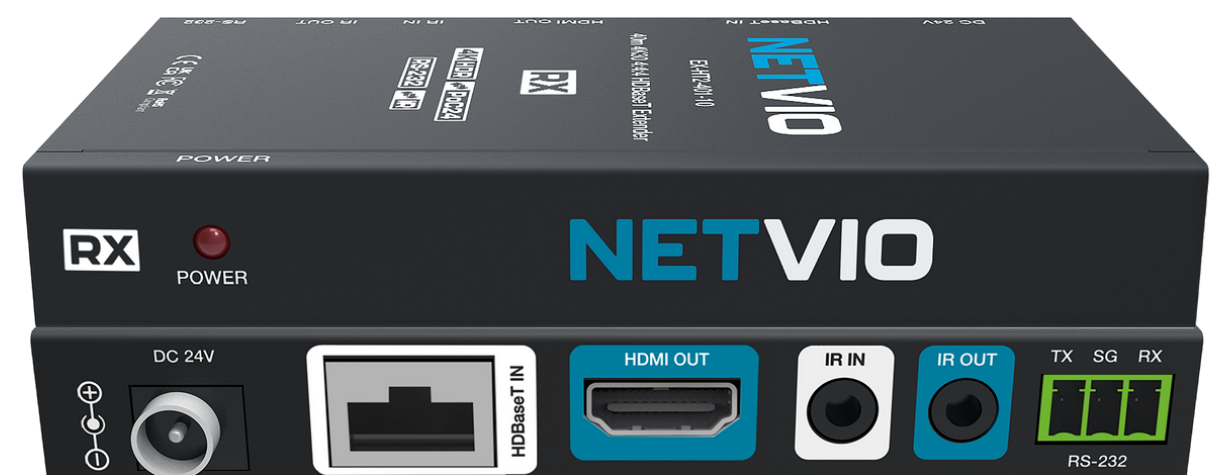
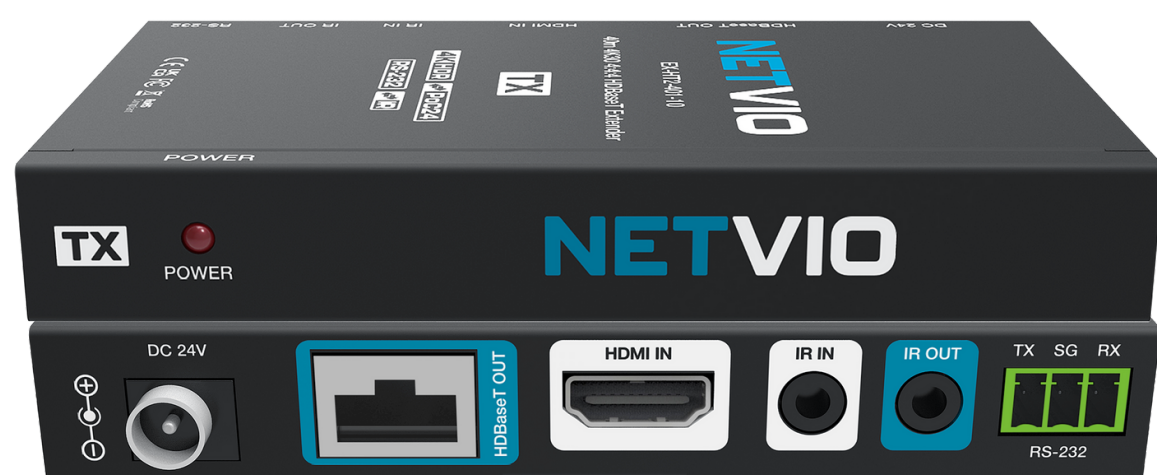


EX-HT2-401-10

HDMI 18Gbps HDBaseT Extender Kit with Bi-Directional IR, RS-232 & PoC (40m/131ft)



> Product Description

The Netvio EX-HT2-401-10 is a compact HDMI over HDBaseT extender designed for reliable and cost-effective installations.

Supporting resolutions up to 4K30Hz at 40m and 1080p60 up to 70m over a single Cat5e/6 cable, it delivers stable, high-quality transmission for both residential and commercial AV systems.

With bi-directional IR and RS-232 pass-through, plus PoC (Power over Cable) for simplified installation, the EX-HT2-401-10 is the ideal solution for everyday HDMI extension where performance and ease of deployment are essential.

> Product Features

- HDMI 1.4, HDCP compliant
- Supports resolutions up to 4K@30Hz (40m) and 1080p@60Hz (70m)
- 18Gbps bandwidth for reliable video/audio performance
- Bi-directional IR for source and display control
- RS-232 pass-through for third-party system integration
- PoC (Power over Cable) – only one unit requires power
- Compact metal enclosure with mounting ears included
- Status LEDs for quick troubleshooting (link & signal indicators)

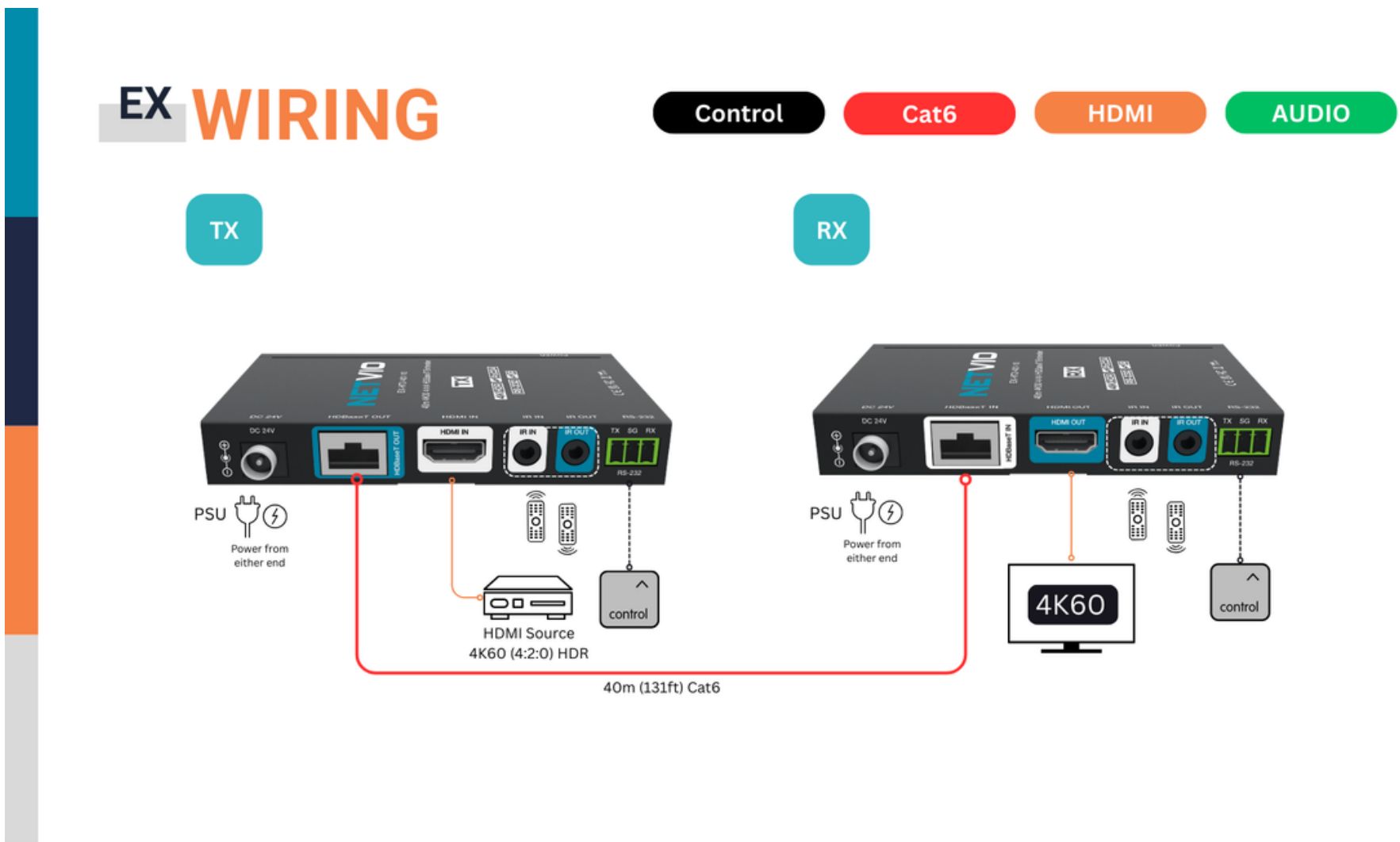
> Specifications

- **Video**
 - Compliance: HDMI 1.4, HDCP compliant
 - Bandwidth: 10.2Gbps
 - Resolutions:
 - 4K@30Hz (up to 40m)
 - 1080p@60Hz (up to 70m)
 - 3D formats supported
 - Color Depth: up to 48-bit (1080p), 24-bit (4K30Hz)
- **Audio**
 - HDMI: LPCM, Dolby Digital, DTS
- **Extension Distance**
 - 40m (131ft): 4K@30Hz
 - 70m (230ft): 1080p@60Hz

- **Connectivity**
 - Transmitter (TX):
 - 1× HDMI In (Type A, 19-pin female)
 - 1× HDBT Out (RJ45)
 - Control: 1× IR In, 1× IR Out, 1× RS-232 (Phoenix), 1× DC 24V, 1× LED status indicators
 - Receiver (RX):
 - 1× HDBT In (RJ45)
 - 1× HDMI Out (Type A, 19-pin female)
 - Control: 1× IR In, 1× IR Out, 1× RS-232 (Phoenix), 1× DC 24V, 1× LED status indicators
- **General**
 - PoC (Power over Cable): Yes, either TX or RX powered by DC 24V/1A
 - Power Consumption: <10W (PoC), max 20W
 - LED Indicators: Power, connection status, HDCP signal

- **Mechanical**
 - Enclosure: Metal with mounting ears
 - Dimensions (W × D × H):
 - 65 × 115 × 17 mm
 - 2.56" × 4.53" × 0.67"
 - Weight: 200 g × 2 (TX & RX) / 0.44 lbs each
- **Environmental**
 - 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

- EX-HT2 Series Extender
- Regionalized PSU
- IR Emitter Cable (1.5m)
- IR Receiver Cable (1.5m)
- Wall mount brackets
- 3-Pin (RS-232) connectors
- User Information

> A&E Description

Architects & Engineers Specification – Netvio EX-HT2-401-10

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.

The system shall consist of a transmitter with HDMI loop output and a receiver with analog stereo audio output, both housed in compact metal enclosures with mounting ears. The extender shall support PoC (Power over Cable) requiring only one 24V/1A supply. LED indicators shall provide clear status of power and link integrity for easy installation and troubleshooting.