NETVIO

MATRIX RECIEVER

RX-HT2-70-10

HDMI 18Gbps HDBaseT Receiver with ARC, LAN, RS-232, IR & PoC (70m/231ft)



> Product Description

The Netvio RX-HT2-70-10 is a professional HDBaseT receiver designed for reliable long-distance HDMI distribution with integrated audio and control. Supporting 18Gbps HDMI 2.0b and HDCP 2.2/1.x, it delivers 4K60 4:4:4 video up to 70m (231ft) or 1080p60 up to 100m (328ft) over a single CAT6/6a cable when paired with compatible Netvio HT2 Series Matrices.

The receiver is compatible with MX-HT2-0404-10, MX-HT2-0806-10, and MX-HT2-0808-10. Extended transmission distances are available via the extended output ports of these matrices (check matrix specifications for supported outputs). When used with Ethernet-capable outputs on MX-HT2-0404-10 and MX-HT2-0808-10, the RX-HT2-70-10 also provides Ethernet LAN pass-through. Featuring ARC (Audio Return Channel), selectable audio breakout (SPDIF or analog stereo), plus HDR support including HDR10, HDR10+, Dolby Vision, and HLG, this receiver is ideal for high-performance AV systems. Additional control features include bi-directional IR, RS-232, LAN, and CEC pass-through.

With PoC (Power over Cable), the RX-HT2-70-10 simplifies installation by requiring power at only one end of the system. A compact, robust metal enclosure ensures long-term reliability for residential, commercial, education, and corporate AV applications.

> Product Features

- HDBaseT HDMI Receiver – Works with all Netvio HT2 Series matrices.
- Extended Transmission – Up to 70m (231ft) at 4K60 4:4:4 and 100m (328ft) at 1080p when used with extended output ports.
- Ethernet Pass-Through – Supported with Ethernet-capable outputs on MX-HT2-0404-10 and MX-HT2-0808-10.
- 18Gbps Bandwidth – HDMI 2.0b and HDCP 2.2/1.x compliant.
- ARC Support – Audio return via HDMI with breakout to SPDIF or analog outputs.
- Audio Breakout – Stereo (3.5mm mini-jack) and SPDIF (Optical).
- HDR Formats – HDR10, HDR10+, Dolby Vision, HLG.
- Bi-Directional Control – IR, RS-232, LAN, and CEC pass-through.
- PoC (Power over Cable) – Requires power at only one end.
- Installer-Friendly – Compact, slim, metal housing.

> What’s Included

- 1× RX-HT2-70-10 HDBaseT Receiver
- 1× IR Blaster Cable (1.5m)
- 1× IR Receiver Cable (1.5m)
- 1× 3-pin Phoenix Connector (RS-232)
- 1× Set of Mounting Ears with Screws
- 1× 24V/1A Locking Power Adapter
- 1× User Information

> Specifications

Video

- HDMI Compliance: HDMI 2.0b
- HDCP Compliance: HDCP 2.2 / 1.x
- Bandwidth: 18Gbps
- Supported Resolutions:
  - 4K@60Hz 4:4:4 up to 70m (231ft) via extended matrix outputs
  - 1080p@60Hz up to 100m (328ft) via extended matrix outputs
- HDR Support: HDR10, HDR10+, Dolby Vision, HLG
- Color Depth: 8/10/12-bit
- Color Space: RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0

Audio

- HDMI Audio: LPCM 2.0/2.1/5.1/7.1, Dolby Digital, Dolby TrueHD, DTS-HD MA, DTS-X
- ARC: Supported, routed via HDMI with selectable output to SPDIF or analog stereo
- SPDIF Output: PCM, Dolby Digital, DTS
- Analog Output: Stereo (3.5mm mini-jack)

Inputs / Outputs

- Inputs: 1× HDBT IN (RJ45, from HT2 matrix), 1× SPDIF IN (Optical)
- Outputs: 1× HDMI OUT (Type-A), 1× Stereo Analog OUT (3.5mm), 1× SPDIF OUT (Optical), 1× LAN (RJ45)
- Control: 1× IR IN (3.5mm), 1× IR OUT (3.5mm), 1× RS-232 (3-pin Phoenix), 1× Mini-USB (service/firmware)

Compatibility

- Compatible with MX-HT2-0404-10, MX-HT2-0806-10, MX-HT2-0808-10
- Extended transmission supported via extended output ports (check matrix specification)
- Ethernet pass-through supported only with Ethernet-capable outputs on MX-HT2-0404-10 and MX-HT2-0808-10

Mechanical

- Dimensions: 163 × 90 × 16 mm (6.41″ × 3.54″ × 0.63″)
- Weight: 165g (0.36 lbs)
- Enclosure: Metal, black finish

Environmental

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

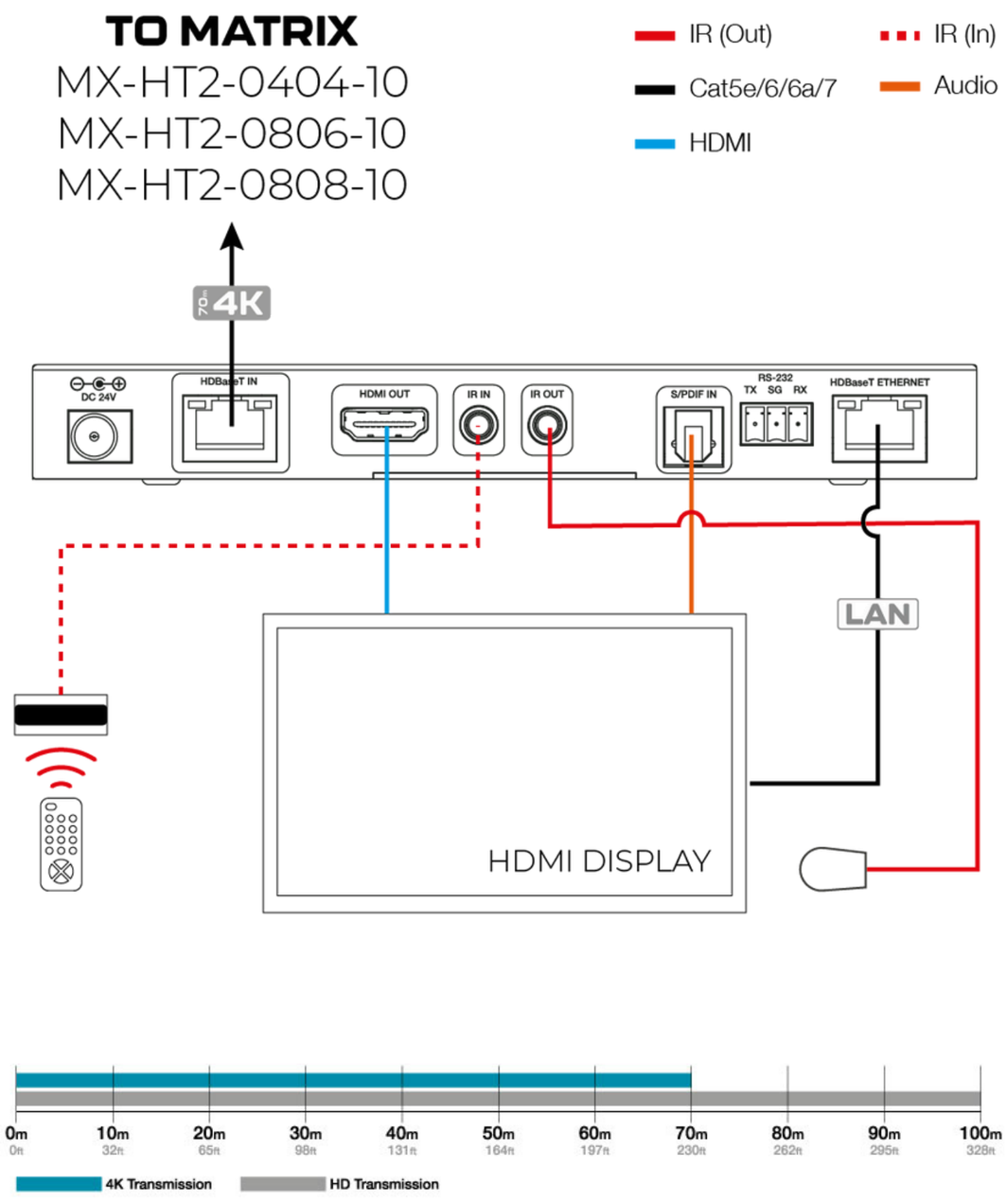
Power

- Supply: DC 24V/1A (locking connector, included)
- Consumption: 13W (max)
- PoC Supported

Warranty

- 5 Years (for full details, visit the Netvio website)

> Wiring Diagram



> A&E Specification

The unit shall be a Netvio RX-HT2-70-10 HDMI HDBaseT Receiver supporting HDMI 2.0b and HDCP 2.2/1.x. It shall extend video up to 4K60 4:4:4 at 70m (231ft) and 1080p60 at 100m (328ft) when connected to extended output ports on compatible Netvio HT2 matrices.

The unit shall be compatible with MX-HT2-0404-10, MX-HT2-0806-10, and MX-HT2-0808-10. Ethernet pass-through shall be supported when paired with Ethernet-capable outputs on MX-HT2-0404-10 and MX-HT2-0808-10.

The device shall support HDR10, HDR10+, Dolby Vision, and HLG, with a maximum bandwidth of 18Gbps. Audio formats supported shall include LPCM, Dolby Digital, Dolby TrueHD, DTS-HD MA, and DTS-X, with ARC provided via HDMI and selectable audio breakout to SPDIF or analog outputs.

The device shall provide 1× HDMI OUT, 1× SPDIF OUT, 1× Stereo OUT, 1× LAN, 1× HDBT IN, and 1× SPDIF IN, along with control ports for IR, RS-232, and CEC pass-through.

The unit shall support PoC (Power over Cable) and operate with a 24V DC / 1A supply, consuming no more than 13W. The enclosure shall be metal, measuring 163 × 90 × 16 mm (6.41″ × 3.54″ × 0.63″) and weighing 165g (0.36 lbs).

The product shall carry a 5-year warranty (see Netvio website for full details).