NETVIO

MATRIX

MX-HT2-0404-10

4×4 4K60 4:4:4 HDMI 2.0 HDBaseT Audio-Video Switcher



> Product Description

The MX-HT2-0404-10 is a powerhouse of video and independent audio switching, delivering professional HDMI matrix performance with the reliability of HDBaseT technology. Supporting 4K60 4:4:4 video, HDR, and 4K to 1080p scaling, this 4×4 solution ensures flawless distribution across multiple displays.

With integrated HDBaseT outputs, HDMI loop-outs, and ARC support, installers can achieve flexible configurations for residential, hospitality, and commercial environments. Seamlessly integrated with the NetvioGo end-user app and drivers for traditional control systems, the MX-HT2-0404-10 combines robust performance, intuitive operation, and premium video quality in one streamlined package.

> Product Features

- 4×4 HDMI Matrix with HDBaseT — Route four HDMI sources to four HDMI + four HDBaseT outputs.
- HDBaseT Extension — Outputs 1–3 extend signals up to 40 m (131 ft)
- Output 4 provides long-reach up to 70 m (230 ft) with HDBaseT Ethernet channel.
- 4K to 1080p onboard scaling.
- HDR Formats Supported — HDR10, HDR10+, Dolby Vision, HLG.
- Audio Matrixing & ARC — Extract audio to analog or coaxial, plus ARC return support.
- EDID Management — 21 factory presets, 2 user, and copy modes for compatibility.
- Control Options - onboard NetvioGo Control solution or traditional control systems
- 24V PoC — Powers all HDBaseT receivers directly from the matrix.

> What's Included

- Matrix Device (RXs sold separately).
- Phoenix connectors for RS-232.
- Rack Mounting brackets.
- Regionalized Power Lead.
- IR TX & IR RX Accessories.
- Remote Control

> Included Software & Apps

- Netvio360 Configuration Software
- AppBuilder Software
- NetvioGo End-user application.

> Specifications

Audio | Video

- 4x HDMI 2.0b Inputs
- Supports up to a maximum of 8 connected Displays:
  - 3x HDBaseT Outputs supporting 4K60 40m (131ft)
  - 1x HDBaseT Outputs supporting 4K60 70m (231ft)
  - 4x HDMI Mirror Outputs
- 4x Audio Only Source Inputs
- Ability to capture & route ARC audio from displays
- 16x8 Independent Audio Matrix
- Integrated Network Extension over HDBaseT (Output-4)
- Onboard Netvio Go AV control solution
- Independent analog & digital audio outputs for each zone
- Network Port for LAN Extension (for OP-4).
- 4x Audio Only Source Inputs

Software & Control

- Compatible with Netvio360 for discovery, configuration, security, management & routing.
- Independent control signal routing of IR, RS-232 & CEC.
- Available control system drivers include Crestron, Control4, Savant, RTi, Elan & Q-SYS.
- Onboard Netvio Go-AV Control, a license-free app, provides a compelling alternative to traditional control systems. Tailored for a streamlined and less complex AV experience.
- Onboard IR & RS-232 ports, with signal routing via control system.

Works with.....

- RX-HT2-40-10 40m (131ft) 4K60 PoC HDBaseT Receiver with IR & RS-232
- RX-HT2-40-20 40m (131ft) 4K60 PoC HDBaseT Receiver with ARC Capture, IR & RS-232
- RX-HT2-70-10 70m (231ft) 4K60 PoC HDBaseT Receiver with LAN extension, ARC Capture, IR & RS-232

Electrical & Mechanical

- 5-Year product warranty (subject to terms & conditions).
- Product Approvals CE, UKCA, FCC, RoSH
- Product Dimensions: W: 440 mm (17.3″) × D: 373 mm (14.7″) × H: 88 mm (3.5″)
- Package Dimensions: W: 550 mm (21.7″) × D: 445 mm (17.5″) × H: 160 mm (6.3″)
- Unit Weight | 6.9 kg (15.2 lbs)
- Operating temperature | 32 ºF to 104ºF / -20 ºC to 60ºC
- Storage temperature | -4 ºF to 140ºF / -20ºC to 60ºC

> Connectivity

Inputs

- 4 × HDMI (up to 4K60 4:4:4, HDR, HDCP compliant)

Outputs

- 3 × HDBaseT (up to 40 m / 131 ft at 4K60 when paired with RX-HT2-40-10 receivers)
- 1 × HDBaseT (up to 70 m / 231 ft at 4K60 when paired with RX-HT2-70-10 receiver)
- 4 × HDMI loop-out (mirrors each input for local monitoring or cascading)

Audio Outputs

- 4 × Stereo analog audio (independent, de-embedded from HDMI/HDBaseT)
- 4 × Digital audio (SPDIF optical) for flexible integration with AVRs and amplifiers
  - ARC (Audio Return Channel) from connected displays routed out of analog & digital audio outputs.

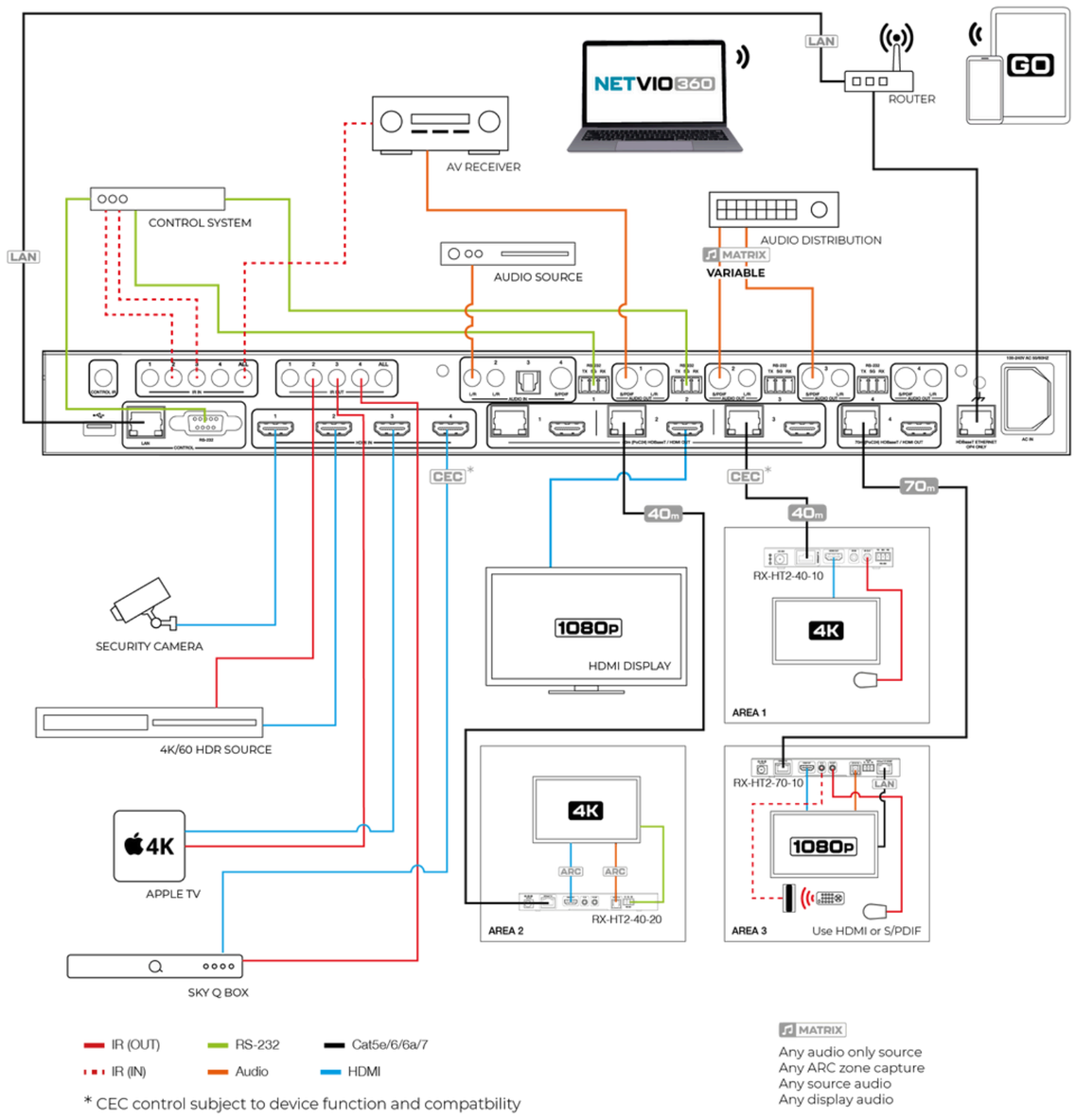
Control

- 1 × LAN (TCP/IP for configuration & NetvioGo integration)
- 1 × RS-232 (third-party control system integration)
- 4 × IR Receiving ports (per zone)
- 4 × IR Transmitting ports (per zone)
- 1 × IR Control port (dedicated for matrix operation)
- Front panel buttons & LCD for local operation

Power

- 1 × IEC AC input (integrated PSU, provides PoC to HDBaseT receivers)

> Wiring Diagram



> Integrations

- NetvioGO End-User Application (Free)
- NetvioGo integrations including Blaze, LEA, Powersoft, Symetrix, Cloud, Yamaha, plus many other AV devices.
- Control System Drivers including Crestron, Q-Sys, Control4, RTI, Elan

> Receiver Options



RX-HT2-40-10



RX-HT2-40-20



RX-HT2-70-10

> HDBaseT Matrix Receiver Compatibility (sold separately)

Matrix Output	Compatible RX Model	Max Distance @ 4K60 4:4:4	ARC Support	HDBaseT Ethernet	Notes
Outputs 1–3	RX-HT2-40-10	40 m / 131 ft	No	No	Standard receiver
Outputs 1–3	RX-HT2-40-20	40 m / 131 ft	Yes	No	Required for ARC on outputs 1–3
Output 4	RX-HT2-70-10	70 m / 231 ft	Yes	Yes	Long-reach receiver with ARC & Ethernet support

> M&E Description

Architects & Engineers Specification — MX-HT2-0404-10
The HDMI matrix shall be a 4×4 configuration supporting video resolutions up to 4K60 4:4:4 with HDR, with integrated 4K to 1080p scaling per output. The matrix shall provide four HDMI inputs and four HDBaseT outputs, with outputs 1–3 supporting transmission up to 40 m (131 ft) and output 4 supporting transmission up to 70 m (231 ft) when paired with compatible receivers. The device shall include four HDMI loop outputs for local monitoring or cascading.

The matrix shall support independent audio switching, offering four stereo analog audio outputs and four digital optical (SPDIF) outputs, with ARC functionality available when used with RX-HT2-40-20 or RX-HT2-70-10 receivers.

Control shall be provided by LAN (TCP/IP), RS-232, a dedicated IR control port, plus four IR receive and four IR transmit ports assignable per zone. Local operation shall be available via front-panel buttons and LCD display.

The device shall be powered by an integrated IEC AC supply and provide Power over Cable (PoC) to compatible receivers. The matrix shall be fully integrated with the NetvioGo end-user application and offer drivers for third-party control systems.

The system shall require additional HDBaseT receivers (sold separately) for full operation. The unit shall be the Netvio MX-HT2-0404-10.