18Gbps 8×8 HDMI Matrix with ARC Function

4K60 4:4:4 Matrix Switcher with Independent Audio De-embedding & ARC

MPN: MMX-8X8AUD



Centralized 4K60 HDMI switching with integrated audio management for multi-display environments. The KanexPro MMX-8X8AUD routes up to eight 18Gbps HDMI sources to eight independent displays at resolutions up to 4K2K@60Hz 4:4:4, with Dolby Vision, HDR10+, and HLG pass-through preserved end-to-end across every output.

Each output provides independent audio de-embedding via both analog (3.5mm) and coaxial (RCA) ports, while per-output ARC support extracts return audio from connected displays. A built-in 4K→1080p downscaler operates independently on each output, enabling mixed-resolution environments from a single matrix. Control options include front panel buttons with OLED display, IR remote, RS-232, TCP/IP, and a full-featured Web GUI with scene presets. In RelayAV, KanexPro's control app, you drag a source onto a screen to route it, see at a glance which inputs have a picture, and use each source's and screen's remote from the same page.

18Gbps 4K60 4:4:4 Full-bandwidth 8x8 HDMI 2.0b routing	**HDR Ready** Dolby Vision, HDR10+ and HLG pass-through	**Audio Breakout** Analog and coaxial de-embedding on all 8 outputs	**ARC** Per-output return audio extraction	**Downscaler** Independent 4K to 1080p on every output

KEY FEATURES

- 8 HDMI 2.0b sources to 8 displays at 18Gbps, 4K60 4:4:4
- Dolby Vision, HDR10+ and HLG pass-through on every output
- Audio de-embedding on all 8 outputs via 3.5mm L/R and coaxial RCA
- Per-output ARC returns display audio to the coaxial output
- Independent 4K to 1080p downscaler on each output
- HDMI audio pass-through to 7.1ch incl. Dolby Atmos and DTS:X
- Smart EDID: 21 built-in presets, 2 user-defined, 8 copy-from-output
- Control by front panel OLED, IR, RS-232, TCP/IP, Web GUI and RelayAV app

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b; HDCP 2.2 and 1.4
Video Bandwidth	18 Gbps
Max Resolution	Up to 4K2K@50/60Hz (4:4:4)
Color Depth	8-bit, 10-bit, 12-bit
HDR Formats	HDR10, HDR10+, Dolby Vision, HLG
Inputs	8x HDMI Type A, 1x IR EXT (3.5mm)
Outputs	8x HDMI Type A, 8x Coaxial (RCA), 8x L/R (3.5mm)
Control	TCP/IP (RJ45), RS-232 (D-Sub 9), IR, Web GUI
Coax Audio	LPCM 2.0, Dolby Digital / Plus, DTS 5.1
Power	AC 100-240V to DC 12V/5A; 43W
Dimensions	440 x 200 x 44.5 mm, 1U
Weight	2.8 kg
Package Contents	1× 18Gbps 8×8 HDMI Matrix • 1× 12V/5A Power Adapter • 1× IR Remote • 1× IR Receiver Cable (1.5m) • 1× RS-232 Cable (1.5m, male to female) • 2× Mounting Ears

APPLICATIONS

Sports bar and restaurant - Eight cable	**Residential whole-home video** - A central rack carries a 4K HDR player	**Corporate training room or divisible multi-purpose room** - Lectern PCs	**House of worship** - Sanctuary sources (presentation PCs	**Higher-education lab or demo classroom**

Scan for product page

kanexpro.com/item/MMX-8X8AUD