

## 18Gbps 8x8 HDMI Matrix with ARC Function






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

MPN: MMX-8X8AUD



Route eight HDMI sources to eight displays with full 4K60 4:4:4 fidelity and independent audio de-embedding on every output. The KanexPro MMX-8X8AUD is an 18Gbps 8x8 HDMI matrix switcher that delivers seamless routing of ultra-high-definition video and multi-channel digital audio across complex AV environments — with dedicated analog and coaxial audio outputs on all eight channels.

Compliant with HDMI 2.0b and HDCP 2.2/1.4, the matrix supports Dolby Vision, HDR10+, and HLG pass-through alongside Dolby Atmos and DTS:X audio. Each output features an independent 4K-to-1080p downscaler for mixed-resolution displays. ARC support extracts audio from connected displays to coaxial output. Control via front panel OLED, IR remote, RS-232, TCP/IP, and Web GUI. 1U rack-mountable.

 <p><b>4K60</b> 4:4:4 HDR 18 Gbps</p>	 <p><b>8x8</b> HDMI Matrix Switcher</p>	 <p><b>Atmos</b> Dolby Atmos DTS:X</p>	 <p><b>ARC</b> Audio Return De-embed</p>	 <p><b>Control</b> RS-232 / IP Web GUI</p>
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### KEY FEATURES

- Routes 8 HDMI 2.0b sources to 8 displays at up to 4K2K@60Hz 4:4:4 with 18Gbps bandwidth on every port
- HDCP 2.2 and HDCP 1.4 compliant — supports protected content across all input and output channels
- Dolby Vision, HDR10+, and HLG pass-through preserves HDR metadata end-to-end
- Audio pass-through up to 7.1-channel HD audio including LPCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X
- Independent audio de-embedding on all 8 outputs via analog (3.5mm) and coaxial (RCA) ports
- ARC function on HDMI outputs extracts display audio to coaxial output — ideal for soundbar and amplifier integration
- Independent 4K → 1080p downscaler on each output for mixed-resolution display environments
- Smart EDID management with 21 factory presets, 2 user-defined, and 8 copy modes; CEC pass-through
- Control via front panel (OLED), IR remote, RS-232, TCP/IP, and Web GUI — 1U rack-mountable

### SPECIFICATIONS

<b>HDMI / HDCP</b>	HDMI 2.0b • HDCP 2.2 / 1.4
<b>Video Resolution</b>	Up to 4K2K @ 50/60 Hz (4:4:4)
<b>Color Depth</b>	8/10/12-bit
<b>HDR Formats</b>	HDR10 • HDR10+ • Dolby Vision • HLG
<b>Audio (Pass-through)</b>	LPCM 2/5.1/7.1, DD, DD+, TrueHD, Atmos, DTS 5.1, DTS-HD MA, DTS:X
<b>Audio (De-embed)</b>	Coax: LPCM 2.0, DD/DD+, DTS 5.1 • Analog: PCM 2.0
<b>HDMI I/O</b>	8x HDMI In • 8x HDMI Out • 8x Coax Out • 8x L/R Out
<b>Control</b>	Front Panel (OLED) • IR Remote • RS-232 (D-Sub 9) • TCP/IP (RJ45) • Web GUI
<b>Enclosure</b>	Metal • Black • 440 × 200 × 44.5 mm (1U) • 2.8 kg
<b>Power</b>	AC 100–240V → DC 12V/5A • 43W max
<b>Environment</b>	14–113 °F (–10–45 °C) • 20–90% RH

### PACKAGE CONTENTS

1x 8x8 HDMI Matrix • 1x 12V/5A Power Adapter • 1x IR Remote • 1x IR Receiver Cable • 1x RS-232 Cable • 2x Mounting Ears • 1x Product Manual

