

18Gbps 16×16 HDMI Matrix with ARC Function





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

MPN: **MMX-16X16AUD**



Route sixteen HDMI sources to sixteen displays with full 4K60 4:4:4 fidelity and independent coaxial audio de-embedding on every output. The KanexPro MMX-16X16AUD is an 18Gbps 16×16 HDMI matrix switcher that delivers seamless routing of ultra-high-definition video and multi-channel digital audio across large-scale AV environments — with dedicated coaxial audio outputs on all sixteen channels.

Compliant with HDMI 2.0b, HDCP 2.2/1.x, and DVI 1.0, the matrix supports HDR10, HDR10+, Dolby Vision, 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.

 4K60 4:4:4 HDR 18 Gbps	 16×16 HDMI Matrix Switcher	 Atmos Dolby Atmos DTS:X	 ARC Audio Return De-embed	 Control RS-232 / IP Web GUI
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KEY FEATURES

- Routes 16 HDMI 2.0b sources to 16 displays at up to 4K2K@60Hz 4:4:4 with 18Gbps bandwidth on every port
- HDCP 2.2/1.x and DVI 1.0 compliant — supports protected content across all input and output channels
- HDR10, HDR10+, Dolby Vision, 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 coaxial audio de-embedding on all 16 outputs — supports LPCM 2.0, Dolby Digital/DD+, and DTS 5.1
- ARC function on HDMI outputs extracts display audio to coaxial output — ideal for soundbar and amplifier integration
- Independent 4K → 1080p downscaler on each output; smart EDID management with 21 factory presets, 2 user-defined, and 16 copy modes; CEC pass-through
- Control via front panel (OLED), IR remote, RS-232, TCP/IP, and Web GUI — 1U rack-mountable

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.2/1.x • DVI 1.0
Video Resolution	Up to 4K2K @ 60 Hz (4:4:4)
Color Depth	8/10/12-bit
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio (Pass-through)	LPCM 2/5.1/7.1, DD, DD+, TrueHD, Atmos, DTS 5.1, DTS-HD MA, DTS:X
Audio (De-embed)	Coax: LPCM 2.0, DD/DD+, DTS 5.1
HDMI I/O	16× HDMI In • 16× HDMI Out • 16× Coax Out
Control	Front Panel (OLED) • IR Remote • RS-232 (D-Sub 9) • TCP/IP (RJ45) • Web GUI
Enclosure	Metal • Black • 440 × 200 × 44 mm (1U) • 3.1 kg
Power	AC 100–240V → DC 24V/3.75A • 76.8W max
Environment	14–113 °F (–10–45 °C) • 20–90% RH

PACKAGE CONTENTS

1× 16×16 HDMI Matrix • 1× 24V/3.75A Power Adapter • 1× IR Remote • 1× RS-232 Cable • 2× Mounting Ears • 1× Product Manual



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