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. In RelayAV, KanexPro's control app (with a KanexPro AV-over-IP encoder or a Mac running RelayAV on the same network), 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.

16x16 Routing 18Gbps HDMI 2.0b matrix with 4K60 4:4:4	**Coax on Every Output** Independent audio de-embedding on all 16 outputs	**ARC Built In** Display audio to coaxial for soundbars and amplifiers	**HDR and Immersive Audio** HDR10+, Dolby Vision, Atmos, DTS:X pass-through	**Flexible Control** OLED, IR, RS-232, TCP/IP, Web GUI and RelayAV

KEY FEATURES

- Routes 16 HDMI 2.0b sources to 16 displays at up to 4K60 4:4:4, 18Gbps on every port
- HDCP 2.2/1.x and DVI 1.0 compliant
- HDR10, HDR10+, Dolby Vision and HLG pass-through
- Audio pass-through up to 7.1ch: LPCM, Dolby TrueHD, Dolby Atmos, DTS-HD MA, DTS:X
- Independent coaxial audio de-embedding on all 16 outputs (LPCM 2.0, Dolby Digital/Plus, DTS 5.1)
- ARC on HDMI outputs sends display audio to coaxial out for soundbar and amplifier use
- Independent 4K to 1080p downscaler on each output
- Control by front panel OLED, IR, RS-232, TCP/IP and Web GUI; CEC pass-through; 1U rack mount

SPECIFICATIONS

HDMI Compliance	HDMI 2.0b
HDCP	HDCP 2.2/1.x, DVI 1.0
Video Bandwidth	18 Gbps
Max Resolution	4K2K@60Hz (4:4:4)
HDR Formats	HDR10, HDR10+, Dolby Vision, HLG
Coax Audio Formats	LPCM 2.0, Dolby Digital/Plus, DTS 5.1
Inputs	16x HDMI Type A
Outputs	16x HDMI Type A, 16x Coaxial Audio (RCA)
Control	TCP/IP (RJ45), RS-232 (D-Sub 9), IR, OLED, Web GUI
Power	AC 100-240V to DC 24V/3.75A, 76.8W
Dimensions	440 x 200 x 44 mm (1U)
Weight	3.1 kg
Package Contents	1× 18Gbps 16×16 HDMI Matrix • 1× 24V/3.75A Power Adapter • 1× IR Remote • 1× RS-232 Cable (1.5m, male to female) • 2× Mounting Ears

APPLICATIONS

Sports bar and restaurant Up to 16 cable	**Casino sportsbook**	**Large residential head-end** Shared sources (cable	**CE and retail showroom**	**Corporate or government monitoring room** In a situation room or NOC