

4x4 HDMI 2.0 Matrix Switcher with Independent Analog Audio Outputs

Per-Output DAC Stereo Breakout — WebGUI, Telnet, RS-232, LCD & 14 EDID Modes

MPN: HDMX44A-18G



Standard 4x4 HDMI matrices route video without analog audio at each zone — forcing integrators to add external DACs per output, increasing BOM cost and rack complexity. The KanexPro HDMX44A-18G delivers a high-quality DAC analog stereo 3.5mm output on each of its four HDMI outputs, providing clean LPCM 2.0 audio to powered speakers or amplifiers without additional hardware.

18Gbps, resolutions up to 4096x2160@60Hz. 14 EDID modes, OSD text overlay, 4 routing presets. Full control: WebGUI, Telnet, RS-232, LCD front panel, IR. CE/FCC/UL.

1 PRODUCT OVERVIEW

DESIGNED FOR

Enterprise AV integrators deploying 4-zone multi-display environments in corporate AV, education, and command centers where analog audio is required at every display zone without external DAC hardware.

THE CHALLENGE

Standard 4x4 matrices provide video routing without analog audio at each output — forcing integrators to rack external DACs per zone, adding BOM cost, configuration complexity, and rack space.

THE KANEXPRO ADVANTAGE

High-quality DAC analog stereo 3.5mm output on all 4 HDMI outputs (2Vrms, SNR >70dB) plus WebGUI + Telnet + RS-232 + 14 EDID modes at \$1,499.95.

2 PRODUCT POSITIONING

HDMX44A-18G is the 4x4 HDMI matrix for enterprise integrators who need clean analog audio at every display zone without external DACs and full IP control.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution (primary): WAVE Electronics, BCD, Stampede. Rep/VAR: commercial AV integrators, CEDIA. Direct: corporate IT and education bids.

DEAL SIZE & SALES CYCLE

\$1,499.95 per unit. Sales cycle: 2–8 weeks commercial. Often in larger AV infrastructure bids alongside cabling and DSP.

COMMON OBJECTIONS

1. "BZBGEAR has more VW modes" — BZBGEAR VP44 lacks per-output analog DAC; HDMX44A-18G is a pure matrix. 2. "Why not HDBaseT?" — HDMI-native saves cost within cable limits. 3. "Only LPCM 2.0 analog?" — bitstream passes via HDMI; analog carries stereo downmix.

WIN / LOSS THEMES

WIN: Per-output DAC eliminates external DACs; triple control (WebGUI/Telnet/RS-232); CE/FCC/UL. LOSS: No HDBaseT; 4×4 only; analog is LPCM 2.0 only.

TOP USE CASES TO CLOSE

- 1 Corporate AV room with 4 zones needing per-zone audio: HDMX44A-18G eliminates 4 external DACs — single-device story with WebGUI management vs. competitors requiring separate DAC per zone.
- 2 Enterprise managed IT rack serving 4 meeting rooms: WebGUI + Telnet integration with building management, OSD zone labeling, 4 routing presets — strong close rate on IT-managed AV environments.

4 APPLICATIONS



Corporate AV & Boardroom

Route 4 sources to 4 displays with independent analog stereo audio to each zone's speakers via the paired 3.5mm port.



Higher Education

PC, doc cam, VC, and streaming to 4 displays with per-zone analog audio breakout to PA or zone amplifiers.



Enterprise AV

WebGUI and Telnet control integrate with building management. 14 EDID modes for mixed display environments.



Command Center

4 data/video feeds to 4 analyst displays with OSD text labeling and one-touch routing preset recall.



Security & Surveillance

4 camera outputs to 4 monitors with independent analog audio breakout and video mute per channel.



Retail & Hospitality

4 content channels to 4 display zones with independent analog audio. Remote WebGUI management.

5 WHO THIS IS FOR

Enterprise AV Integrator

Corporate AV

Education

Command Center

Managed IT AV

Ideal User

Mid-to-senior commercial AV integrator or systems designer handling enterprise AV infrastructure bids.

Project Types

Corporate AV (boardrooms, conference centers), Higher Education (lecture halls), Command Centers, Enterprise IT-managed AV, Hospitality.

Typical Buyer

AV Systems Designer specifies; IT Director or Facilities VP signs off.

6 KANEXPRO PRODUCT COMPARISON

The HDMX44A-18G is KanexPro's premium 4×4 matrix with per-zone DAC audio.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
HDMX44A-18G	4-zone DAC audio matrix	Per-output 3.5mm DAC, WebGUI, Telnet, RS-232, 14 EDID	This product — audio-complete 4×4 with IP control
SW-HDMX44DS	4-zone downscaler matrix	Per-output 4K → 1080p downscaler, HDR10, RS-232/IR	Step down: no audio extraction, no WebGUI
MMX-8X8AUD	8-zone audio-complete matrix	8×8, dual de-embed (analog+coax), ARC, downscaler	Scale up to 8 zones with both analog and coaxial de-embed

✦ Recommend HDMX44A-18G for 4-zone analog audio at every display zone with WebGUI + Telnet control.

7 FREQUENTLY ASKED QUESTIONS

What audio sources work with the 3.5mm outputs?

LPCM 2.0 (stereo) only. Source must be set to PCM stereo. Bitstream (Dolby, DTS) passes via HDMI only — not converted to analog.

How do I access the WebGUI?

Connect CONTROL (RJ-45) to network. Navigate to 192.168.1.50. Default login: admin / admin. Supports Static IP and DHCP.

Can I display custom text on each output?

Yes. OSD custom text overlay per output. Configure position, size (1×/2×/4×), color, and background transparency via WebGUI or Telnet.

How many routing presets are available?

4 routing presets. Save/recall via front panel, WebGUI, Telnet STORE/PRESET commands, or RS-232.

What happens to analog audio when video is muted?

Video mute blanks HDMI output only. Analog 3.5mm continues to pass audio unaffected.

Is it compatible with Crestron and AMX?

Yes. RS-232 (19200 baud, DE-9) and Telnet commands are compatible with Crestron, AMX, RTI, and other control systems.

What EDID modes are available?

14 per input: FHD 2CH/MCH, UHD 2CH/MCH, UHD+ 2CH/MCH (6 internal) + 4 sink-copied + 4 user-uploaded.