

4x2 HDMI 2.0 Matrix Switcher with Optical & Analog Audio Extraction

ARC, 4K to 1080p Downscaling & Dolby Vision — 4 Inputs to 2 Displays

MPN: **HDMX42A-18G**



Most 4x2 HDMI matrix switchers route video without addressing the audio — leaving integrators to add separate audio extractors for every zone. The KanexPro HDMX42A-18G solves that directly: it routes any of four 18Gbps HDMI sources to two independent displays while simultaneously extracting audio via optical Toslink (S/PDIF) and analog L/R outputs — no external extractors required.

Compliant with HDMI 2.0 and HDCP 2.2/1.4, the HDMX42A-18G supports 4K@60Hz 4:4:4 with Dolby Vision, HDR10+, and HLG pass-through. Per-output 4K → 1080p downscaling supports mixed displays. ARC extracts return audio from ARC-enabled TVs to the optical output. Three-position EDID (AUTO/COPY/STD) and front panel + IR control.

<p>4K@60Hz 4:4:4 / Dolby Vision</p>	<p>Optical + Analog Toslink + 3.5mm L/R</p>	<p>ARC Support TV Return Audio</p>	<p>4K → 1080p Per-Output Scale</p>	<p>EDID Mgmt AUTO/COPY/STD</p>
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KEY FEATURES

- HDMI 2.0, HDCP 2.2/1.4, DVI 1.0 compliant — 18Gbps bandwidth
- 4 HDMI inputs, 2 HDMI outputs — independently routed
- 4K@60Hz YCbCr 4:4:4 — Dolby Vision, HDR10+, HLG pass-through
- Audio extraction via optical Toslink (S/PDIF) and analog L/R (3.5mm)
- HDMI audio: PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DSD
- ARC — extracts TV return audio to optical; mutes analog L/R when active
- Per-output 4K → 1080p downscaling on both HDMI outputs
- EDID: AUTO / COPY / STD (3-position DIP switch)

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0 • HDCP 2.2/1.4
Video Bandwidth	18 Gbps
Resolution	Up to 4K@60Hz YCbCr 4:4:4 • Dolby Vision • HDR10+
HDMI Audio	PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD MA, DSD
Optical Audio	PCM 2.0 • Dolby Digital/Plus • DTS
L/R Audio	PCM 2.0 (mutes when ARC active)
Input	4x HDMI Type A
Output	2x HDMI Type A • 1x Optical Toslink • 1x L/R 3.5mm
Control	Front Panel • IR Remote
Power	DC 12V/1A • 3.8W max
Dimensions	9.88" × 0.79" × 4.13" (251 × 20 × 105mm)
Net Weight	1.37 lbs (620g)

PACKAGE CONTENTS

1x Matrix • 1x 12V/1A Locking Adapter • 2x Mounting Ears • 1x IR Remote • 1x User Manual

