

4x1 4K HDMI Switcher with ARC, Audio Extraction, and RS-232






18Gbps, HDCP 2.2, Dolby TrueHD/DTS-HD 7.1, Smart EDID, Auto-Switch

MPN: SW-4X1HDAUD



Route four 4K HDMI sources to a single display with integrated audio extraction and ARC — eliminating the need for a separate audio extractor or AVR upgrade. The KanexPro SW-4X1HDAUD is an 18Gbps HDMI 2.0a 4x1 switcher that combines source switching, audio de-embedding (optical S/PDIF + analog L/R), and Audio Return Channel in a single compact device. RS-232 control enables integration into managed AV environments.

Compliant with HDMI 2.0a, DVI 1.0, and HDCP 2.2/1.4, the switcher supports resolutions up to 4Kx2K@60Hz and all HDMI 3D formats. Audio pass-through supports PCM, Dolby TrueHD, and DTS-HD Master Audio up to 7.1 channels. Smart EDID management (Auto/2CH/5.1CH/7.1CH selectable) ensures reliable source/display negotiation. Switch inputs via front-panel button, IR remote, RS-232, or automatic detection. ARC extracts return audio from a connected TV to the optical/analog outputs. Compact metal enclosure, 2.5W max.

 4K@60 18 Gbps HDMI 2.0a	 4x1 HDMI Switch Auto/Manual	 ARC Audio Return Channel	 Audio Optical + Analog Out	 RS-232 Serial Control
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KEY FEATURES

- Switches four HDMI 2.0a sources to one display at up to 4Kx2K@60Hz with 18Gbps bandwidth
- HDCP 2.2 and HDCP 1.4 compliant with HDCP repeater function for seamless protected content playback
- Audio extraction to optical S/PDIF and analog L/R outputs — supports PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH
- ARC (Audio Return Channel) extracts display audio to optical/analog outputs — ideal for soundbar integration
- Smart EDID management with four selectable modes: Auto, 2CH, 5.1CH, and 7.1CH
- Auto-switch detects active input automatically; manual switching via front-panel button or IR remote
- RS-232 control port for managed AV integration; compact metal enclosure (180 × 85 × 11.6 mm), 2.5W max

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0a • DVI 1.0 • HDCP 2.2/1.4
Video Bandwidth	18 Gbps
Max Resolution	4Kx2K@60Hz (4:4:4) • 1080p 3D
Audio (Pass-through)	PCM 2.1/5.1/7.1, Dolby 5.1, DTS 5.1, Dolby TrueHD, DTS-HD MA
Audio (De-embed)	Optical S/PDIF + Analog L/R
ARC	Audio Return Channel via HDMI output
HDMI I/O	4x HDMI In • 1x HDMI Out • Optical • L/R
Control / EDID	Front Panel • IR Remote • RS-232 • Auto-Switch • EDID: Auto/2/5.1/7.1CH
Enclosure	Metal • Black • 180 × 85 × 11.6 mm • 300 g
Power	DC 5V/1A • 2.5W max

PACKAGE CONTENTS

1x HDMI 4x1 Switcher • 1x 5V/1A Power Adapter • 1x 38KHz IR Rx Cable • 1x Optical Convert Header • 1x IR Remote • 1x User Manual

