

4x4 HDMI 2.0 Matrix Switcher with Independent Analog Audio Outputs

The KanexPro HDMX44A-18G provides a high-quality DAC analog stereo 3.5mm output on each of its four HDMI outputs, eliminating external DACs from every display zone. Supporting 18Gbps bandwidth and resolutions up to 4096x2160@60Hz (4:4:4, 8-bit), it includes 14 EDID modes, OSD text overlay, 4 routing presets, and a full control suite: WebGUI, Telnet, RS-232, front panel LCD, and IR.

Surge Protection Recommended — Use of surge protection is strongly recommended. This product contains sensitive electronic components that may be damaged by electrical surges or lightning strikes.

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FEATURES

- ✓ HDMI 2.0, HDCP 2.2/1.x, and DVI 1.0 compliant — 18Gbps on all ports
- ✓ Resolutions up to 4096x2160@60Hz (4:4:4, 8-bit); 16-bit Deep Color to 1080p60
- ✓ High-quality DAC analog stereo 3.5mm output on each HDMI output (LPCM 2.0 sources)
- ✓ HDMI audio: LPCM up to 8 channels and HD bitstream (Dolby TrueHD, Dolby Atmos, DTS-HD MA, DTS:X)
- ✓ 14 EDID modes per input: 6 internal, 4 sink-learned, 4 user-uploaded
- ✓ OSD custom text overlay per output — position, size, color, background transparency adjustable
- ✓ 4 routing presets — save/recall via front panel, WebGUI, Telnet, or RS-232
- ✓ CEC send commands per output: Power On/Off, Volume +/-, Mute
- ✓ Video mute (blank) per output — analog audio unaffected
- ✓ Control via front panel (LCD), WebGUI, Telnet, RS-232 (19200 baud), and IR remote

PACKAGE CONTENTS

1x 4x4 HDMI Matrix with Audio Outputs • 1x 24V/2.7A DC Power Adapter • 1x IR Remote (CR-177) • 2x Rack Mount Ears • 4x Shockproof Feet • 1x Operation Manual



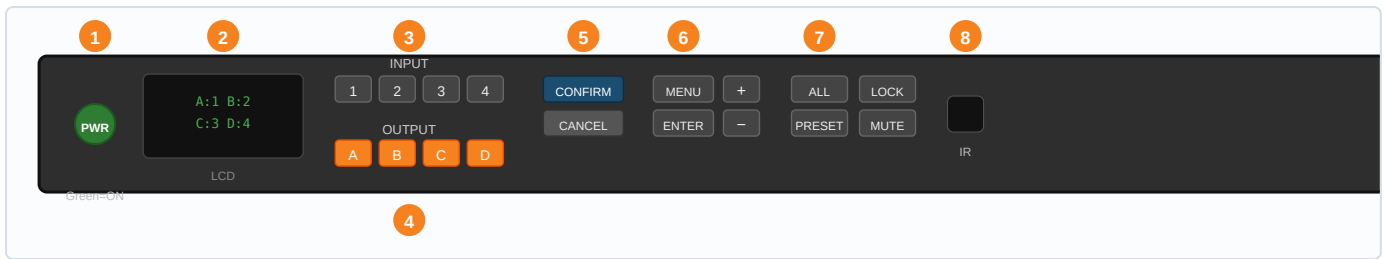
Specifications

TECHNICAL	
HDMI Bandwidth	18 Gbps
Input Ports	4× HDMI Type A
Output Ports	4× HDMI Type A • 4× Analog Stereo (3.5mm)
Control Ports	1× RS-232 (DE-9) • 1× Ethernet (RJ-45) • 1× IR Extender (3.5mm)
Service Port	1× USB 2.0 Type A
IR Frequency	38 kHz
Baud Rate	19200
ANALOG AUDIO	
Max Level	2Vrms
THD+N	<-60dB@0dBFS 1kHz
SNR	>70dB@0dBFS
Impedance	470Ω unbalanced
MECHANICAL	
Housing	Metal (Steel), Black
Dimensions	17.24" × 1.93" × 10.59" (438 × 49 × 269mm)
Net Weight	6.59 lbs (2.99kg)
Power Supply	DC 24V/2.7A (CE/FCC/UL certified)
Power Consumption	34W
ESD Protection	±8kV (Air) • ±4kV (Contact)
Operating Temp	32°F–104°F (0°C–40°C)
Storage Temp	-4°F–140°F (-20°C–60°C)
Relative Humidity	20–90% RH (non-condensing)
CERTIFICATIONS	
Regulatory	CE • FCC • UL
CABLE LENGTH	
1080p (8-bit)	Up to 50 ft (15m)
4K@30Hz (4:4:4)	Up to 16 ft (5m)
4K@60Hz (4:4:4)	Up to 10 ft (3m)
PACKAGE CONTENTS	
1×	4×4 HDMI Matrix with Audio Outputs
1×	24V/2.7A DC Power Adapter
1×	IR Remote (CR-177)
2×	Rack Mount Ears
4×	Shockproof Feet
1×	Operation Manual



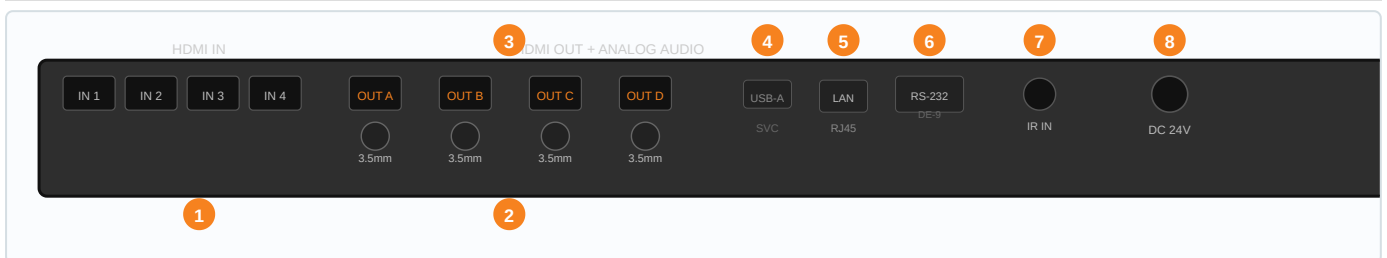
Operation Controls

FRONT PANEL



No.	Name	Function Description
1	Power Button	Press to power on (green) or standby (red).
2	LCD Window	Displays routing, EDID, and network info.
3	Input Buttons (1–4)	Select input source to route. Press then CONFIRM.
4	Output Buttons (A–D)	Select outputs to route. Press ALL for all outputs.
5	CONFIRM / CANCEL	CONFIRM executes routing; CANCEL clears selection.
6	MENU / ENTER / + / -	LCD menu navigation and value adjustment.
7	ALL / PRESET / LOCK / MUTE	ALL outputs, preset save/recall, panel lock, video mute.
8	IR Window	Accepts IR signals from included remote (CR-177).

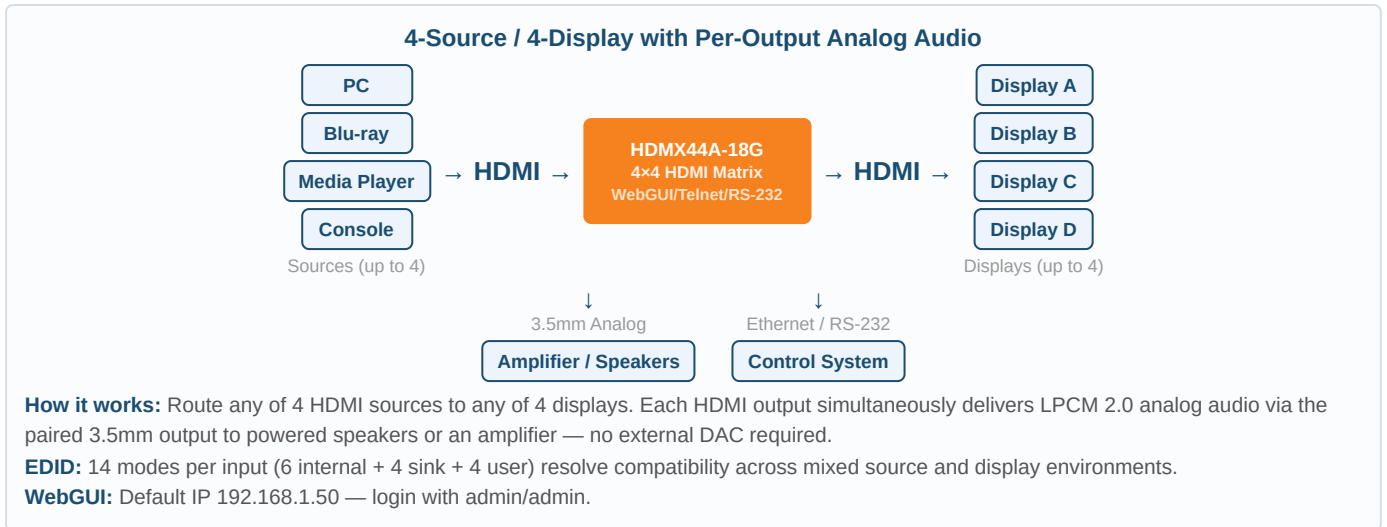
REAR PANEL



No.	Name	Function Description
1	HDMI IN 1–4	Connect to HDMI source devices.
2	HDMI OUT A–D / 3.5mm	Four HDMI outputs each paired with a 3.5mm analog stereo output.
3	3.5mm Analog	DAC stereo output (LPCM 2.0). 2Vrms, SNR >70dB per channel.
4	SERVICE (USB-A)	Firmware update port.
5	CONTROL (RJ-45)	Ethernet for WebGUI and Telnet. Default IP: 192.168.1.50.
6	RS-232 (DE-9)	Serial control, 19200 baud.
7	IR IN (3.5mm)	Connect included IR extender.
8	DC 24V	Connect included 24V/2.7A adapter.



Application Example



TROUBLESHOOTING

Q: No analog audio from 3.5mm?

A: Analog output carries LPCM 2.0 only. Set the source to PCM stereo output. Bitstream (Dolby, DTS) does not convert to analog.

Q: How do I access WebGUI?

A: Connect CONTROL (RJ-45) to network. Navigate to **192.168.1.50**. Login: **admin / admin**.

Q: Source incompatible with display?

A: Assign a different EDID via front panel MENU or WebGUI. Start with UHD+/MCH for 4K60 sources or FHD/MCH for 1080p with multi-channel audio.

