

4x2 HDMI 2.0 Matrix Switcher with WebGUI, Telnet & RS-232 Control

The KanexPro HDMX42-18G routes any of four 18Gbps HDMI sources to two independent displays with a full three-interface IP control suite: WebGUI, Telnet, and RS-232 — alongside front panel and IR. Supporting 4K@60Hz 4:4:4 with HDCP 2.2, it includes Apple HDCP mode per input and 7 EDID presets. Compact half-rack form factor. CE/FCC/UL certified.

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 and HDCP 2.2 compliant — 18Gbps / 600MHz
- ✓ Routes 4 HDMI inputs to 2 independent outputs at up to 4K@60Hz 4:4:4
- ✓ WebGUI — full routing, EDID, HDCP, naming, and network via browser
- ✓ Telnet — CLI access for scripting and control system integration
- ✓ RS-232 (115200 baud) — full command set for third-party control integration
- ✓ Apple HDCP mode per input — non-HDCP content from Apple devices on non-HDCP displays
- ✓ EDID: 7 presets (SINK A/B, 720P, 1080P, 4K_3G, 4K_Y420, 4K_6G) — ALL or per-input APPOINT
- ✓ Front panel buttons with green/red LED and source indicator LEDs per output
- ✓ IR remote (CR-155) with IR extender cable
- ✓ HDMI IN 1 on front panel; HDMI IN 2–4 on rear

PACKAGE CONTENTS

1x 4x2 HDMI Matrix Switcher • 1x IR Remote (CR-155) • 1x IR Extender Cable • 1x 5V/2.6A DC Power Adapter • 1x Operation Manual



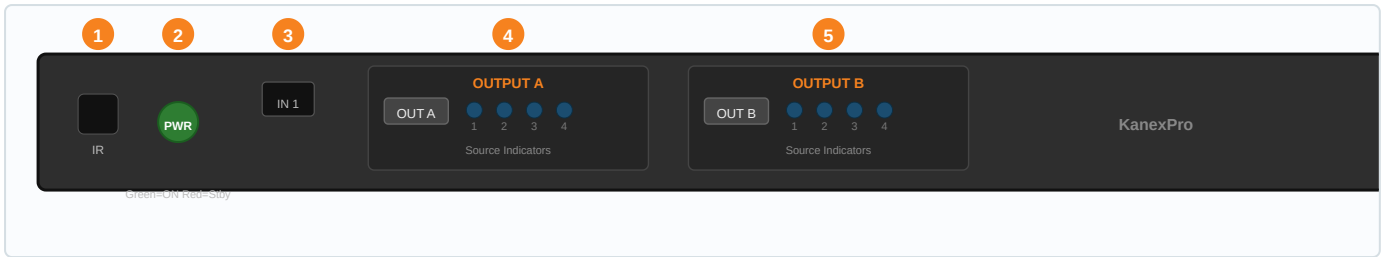
Specifications

TECHNICAL	
Video Bandwidth	600 MHz / 18 Gbps
Input Ports	4× HDMI Type A
Output Ports	2× HDMI Type A
Control Interfaces	1× RS-232 (DE-9) • 1× IP Control (RJ-45) • 1× IR Extender (3.5mm)
Service Port	1× USB 2.0 (firmware update)
Supported Resolutions	480i@60Hz – 4K@60Hz (4:4:4, 8-bit) • VGA@60Hz – WUXGA@60Hz
Baud Rate	115200 bps
IR Frequency	30–50 kHz
ESD Protection	±12kV (Air) • ±8kV (Contact)
MECHANICAL	
Housing	Metal, Black
Dimensions	9.45" × 1.69" × 4.09" (240 × 43 × 104mm)
Net Weight	1.75 lbs (796g)
Power Supply	DC 5V/2.6A (CE/FCC/UL certified)
Power Consumption	7.1W
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@60Hz (12-bit)	Up to 33 ft (10m)
4K@60Hz (4:4:4, 8-bit)	Up to 10 ft (3m)
PACKAGE CONTENTS	
1×	4×2 HDMI Matrix Switcher
1×	IR Remote (CR-155)
1×	IR Extender Cable
1×	5V/2.6A DC Power Adapter
1×	Operation Manual



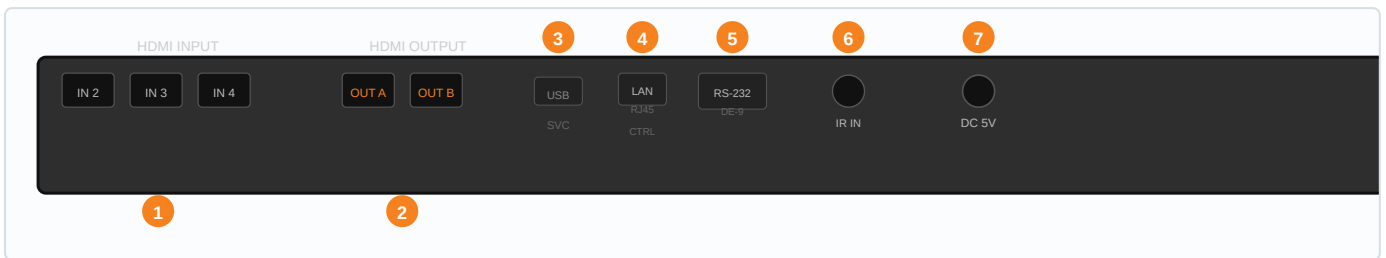
Operation Controls

FRONT PANEL



No.	Name	Function Description
1	IR Window	Accepts IR signals from included remote (CR-155).
2	Power Button / LED	Power on (green) or standby (red). Ethernet/RS-232 stay active.
3	HDMI IN 1	Front-panel HDMI input. Connect to source device.
4	OUTPUT A Button & LEDs	Cycle through inputs 1–4 for Output A.
5	OUTPUT B Button & LEDs	Cycle through inputs 1–4 for Output B.

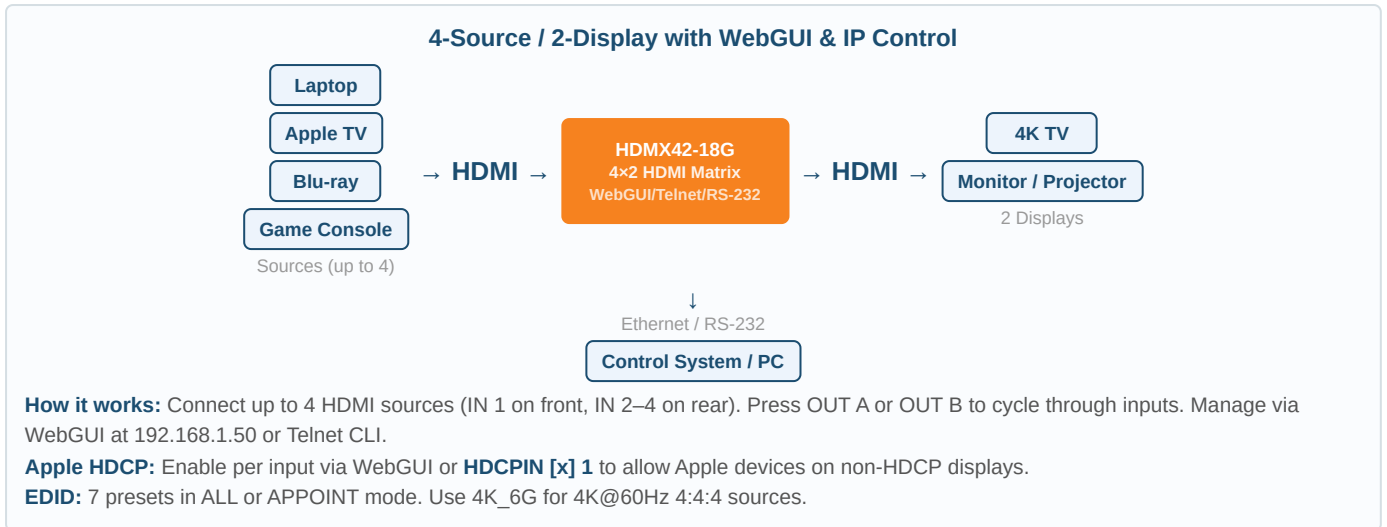
REAR PANEL



No.	Name	Function Description
1	HDMI IN 2–4	Three rear HDMI inputs (IN 1 is on the front panel).
2	HDMI OUT A–B	Two HDMI Type A output ports. Connect to displays.
3	SERVICE (USB)	USB 2.0 firmware update port.
4	CONTROL (RJ-45)	Ethernet for WebGUI and Telnet. Default IP: 192.168.1.50.
5	RS-232 (DE-9)	Serial control, 115200 baud.
6	IR IN (3.5mm)	Connect included IR extender cable.
7	DC 5V	Connect included 5V/2.6A power adapter.



Application Example



TROUBLESHOOTING

Q: Apple TV not displaying on non-HDCP monitor?

A: Enable Apple HDCP mode via WebGUI HDCP tab or RS-232: **HDCPIN [x] 1** (x = input number).

Q: How do I access WebGUI?

A: Connect CONTROL (RJ-45) port. Navigate to **192.168.1.50** in a browser. No password required by default.

Q: No signal on output?

A: Check EDID: set **EDIDALL 6** (4K_6G) via RS-232. Verify cable length ≤10m for 4K@60Hz.

