Premium A/V Matrix Series

ELAN®

ORDER NO. EL-4KPM-V88-A2416, EL-4KPM-V66-A1812

ELAN Premium Series Audio & Video Matrix Switches – Whether watching the big game, watching a movie, or just relaxing to some great tunes, ELAN makes it easy.

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The ELAN Premium HDMI Audio/Video Matrices deliver the range of industry leading features expected in today's installations.

With video distribution of 4K HDCP 2.2 compliant video, Bi-directional IR and PoH (PoE) up to lengths of 100m over a single CAT cable, the ELAN Premium Series simplifies the distribution of audio and video content throughout the home.

The Premium series matrices provide a built-in audio matrix switch with up to 24 audio inputs. These advanced features take the guesswork out of system design. The ELAN Platinum Series matrices feature independent audio routing, Audio Return Channel (ARC), audio embedding and de-embedding to make projects both simple and reliable. Analog and digital audio from video sources are easily added using the analog inputs, HDMI inputs, or Audio Return Channel (ARC). The extensive I/O and the flexibility to route signals from

almost any source to virtually any destination allows for almost limitless possibilities, whether it's to play the big game through the home's architectural speakers or to use those same speakers for the home theater.

HDBaseT technology is incorporated to facilitate high-definition content distribution. feeding monitors 4K or 1080P images, along with all of the high definition audio formats. HDBaseT also connects control signals and Ethernet to remote areas, enabling control of monitors and sources, while providing internet to smart TV's, streaming sources and gaming devices. With simultaneous HDBaseT/HDMI outputs, up to two HDBaseT inputs, LAN Serving and RS-232 pass–through, the ELAN Premium Series matrices take full advantage of the benefits offered by HDBaseT.

They allow for multiple media experiences while providing seamless control integration of devices located throughout the project.
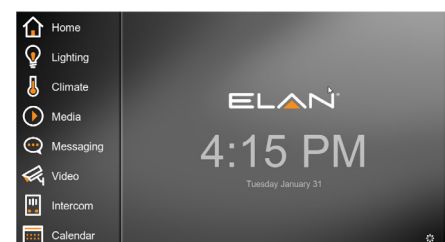
Using one of ELAN's powerful System Controllers the Premium Series matrices can be easily configured with the ELAN Configuration Software. In just seconds, the integrator can define audio channels, designate EDID presets and insert audio delays on outputs to correct any lip-sync issues within the system all from ELAN's Configuration Software.

The built-in web interface module makes it easy to setup and use these powerful products in any installation, even those without an ELAN controller.

LEFT: ELAN Premium Series matrices can be easily configured with the ELAN Configuration Software.

RIGHT: Control of the ELAN Premium Series matrices is seamless, using the award winning ELAN user interface.

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COMMON FEATURES

- HDMI 2.0 inputs with Audio Breakout

- HDCP 2.2 Compliant

- 4K UHD video up to 70m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® pass-thru

- Simultaneous HDBaseT and HDMI outputs

- Advanced HDBaseT technology offering uncompressed video and audio with zero latency

- Audio Return Program (ARP) over HDBaseT

- Advanced EDID Management

- Lip Sync Adjustment (Zone only)

- Zone Grouping

- Zone Volume Min/Max

- International Voltage (120/240 50/60Hz) Compatible

- Serial, IR, & Ethernet distribution to every HDBaseT zone

- Convenient ELAN Configurator based programming

- Rack Mount Hardware Included

- Works seamlessly with ELAN System Controllers

INPUTS	OUTPUTS			
	HDBaseT	HDMI	Optical	Analog
HDMI	•	•	•	• †
ARC	•	•	•	• †
Analog		•	•	• †

† 2ch PCM only

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FEATURES

- Inputs 1 & 2 support either HDBaseT or HDMI to enable integration of remote HDMI sources up to 1080p 70m distance (4K up to 40m)

- Up to 24x16 Audio Matrix independently controllable from video:

    - 8x independent analogue L/R audio inputs which can be routed to audio outputs or embedded onto HDBaseT/HDMI outputs

- Includes 8 x 5v-to-12v IR converter cables
- Includes 2 x RS-232 control cables

SPECIFICATIONS	
Video Input Connectors	8x HDMI Type A, 19-pin, female, 1x HDBaseT RJ45 connector
Video Output Connectors	8x HDMI Type A, 19-pin, female, 8x HDBaseT RJ45 connector
Audio Input Connectors	8x 3.5mm stereo jack (L/R)
Audio Output Connectors	8x RCA (SPDIF), 6x 3.5mm stereo jack (L/R)
RS-232 serial ports	9x 3-Pin Phoenix connector
TCP/IP Control	RJ45, female
Ethernet/Network	RJ45, female
IR Input ports	9x5v 3.5mm stereo jack
IR Output ports	9x5v 3.5mm mono jack
Rack-Mountable	2 U rack height, rack ears included
Casing Dimensions (W x H x D)	17.35" x 3.45" x 14.25" (440mm x 87mm x 361mm) without feet
Dimensions Including Connections (W x H x D)	17.35" x 3.45" x 14.55" (440mm x 87mm x 369mm) with feet
Shipping Weight	19.4lbs (8.8kg)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Power Supply	Internal 100-240v DC

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FEATURES

- Input 1 supports dual HDBaseT & HDMI to enable integration of remote HDMI sources up to 1080p 70m distance (4K up to 40m)
- Up to 18x12 Audio Matrix independently controllable from video
- Includes 6 x 5v-to-12v IR converter cables
- Includes 2 x RS-232 control cables

SPECIFICATIONS	
Video Input Connectors	6x HDMI Type A, 19-pin, female, 1x HDBaseT RJ45 connector
Video Output Connectors	6x HDMI Type A, 19-pin, female, 6x HDBaseT RJ45 connector
Audio Input Connectors	6x 3.5mm stereo jack (L/R)
Audio Output Connectors	6x RCA (SPDIF), 6x 3.5mm stereo jack (L/R)
RS-232 serial ports	7x 3-Pin Phoenix connector
TCP/IP Control	RJ45, female
Ethernet/Network	RJ45, female
IR Input ports	7x5v 3.5mm stereo jack
IR Output ports	7x5v 3.5mm mono jack
Rack-Mountable	2 U rack height, rack ears included
Casing Dimensions (W x H x D)	17.35" x 3.45" x 14.25" (440mm x 87mm x 361mm) without feet
Dimensions Including Connections (W x H x D)	17.35" x 3.45" x 14.55" (440mm x 87mm x 369mm) with feet
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