gMV64 Audio & Video Matrix Switch

ORDER NO. gMV64
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The ELAN gMV64 Audio & Video Matrix Switch – flexibility beyond "the norm".

Created to simplify the connection and distribution of high performance audio and video gear, the UltraMatrix™ series of audio and video switchers defines flexibility.

Inputs and outputs are things that no installation ever seems to have enough of. Even the best engineered projects often run short. Extensive I/O and the flexibility to route signals from any source to virtually any destination serve as the genesis of the UltraMatrix™ A/V switch.

Video sources like satellite, cable and Blu-ray are often used as sources to the audio system. Whether it is to play the big game through the architectural speakers around the house or to use those same speakers in place of the tinny TV speakers making the connection between video source and audio zone used to be time consuming and created a wiring quagmire. The gMV64 features HDMI audio breakout and Audio Return Program, delivering a simple path for the soundtrack to reach the rest of the house. Lip sync adjustments are available on a zone or source basis to account for timing issues caused by video processors and displays.

HDBaseT technology is incorporated to facilitate high definition content distribution. HDBaseT is used to feed monitors 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 & sources and providing internet to smart TV's, streaming sources and gaming devices.

Audio sources are accommodated no matter what their output format. The gMV64 is compatible with analog, optical digital and coaxial digital outputs. You are covered whether it is a reel to reel, 8 track, CD changer, cable box or AppleTV©. The gMV64 automatically converts analog to digital and digital to analog allowing signals to pass seamlessly between amplifiers.

Through your ELAN gSC series controller the gMV64 is efficiently programmed in hours instead of days. g! maps the connections for you after you set the zone and source parameters. The gMV64 includes bass/treble/loudness adjustments for the end user and a five band digital EQ for the technician.

End user-centric features like zone grouping and sub zoning along with Whole House Music provide a superior user experience while adding a boost to ELAN's world renowned reputation for being the favorite of the integrator and end user alike.

FEATURES

- HDMI 1.4a inputs with Audio Breakout
- HDBaseT/HDMI mirrored outputs
- Audio Return Program (ARP) over HDBaseT
- Input format conversion
- Input level matching
- Advanced EDID Management
- Lip Sync Adjustment (Both Source and Zone)
- Zone Tone Controls and EQ
- Zone Grouping & Sub-Zoning
- Zone Channel Mix (Stereo/Dual Left/Dual Right/Mono)
- Zone Volume Min/Max
- Zone Channel Balance
- International Voltage (120/240V 50/60Hz) Compatible
- Serial, IR, & Ethernet distribution to every HDBaseT zone
- Convenient g! Configurator based programming
- Rack Mount Hardware Included
- Works exclusively with ELAN g! gSC series controllers

INPUTS	OUTPUTS			
	HDBaseT	HDMI	Coaxial	Analog
HDMI	•	•	•	• †
ARP	•	•	•	•
Optical SPDIF	•	•	•	• †
Coaxial SPDIF	•	•	•	• †
Analog	• *	• *	• *	•

* requires mirrored analog & digital zone outputs

† 2ch PCM only

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SPECIFICATIONS	
INPUTS & OUTPUTS	
Source Inputs	
HDMI	6 w/ audio breakout
HDBaseT ARP	4 incl. with HDBaseT
Analog Audio	8 pr RCA connector
Digital Audio	8 ea Optical SPDIF 8 ea RCA Coaxial SPDIF
Page/Doorbell	1 pr RCA Analog
Zone Outputs	
HDBaseT	4 RJ45 Cat5e/Cat6/Cat7
HDMI (mirrored to HDBaseT)	4 19pin standard HDMI
Analog Audio	8 pr RCA connector
Digital	8 ea RCA Coaxial SPDIF
AUDIO	
Analog Inputs	
Input Sensitivity	0-xV RMS
Lip Sync	0-170ms in 1ms increment
Analog Outputs	
Volume Adjustment Range	-99.5dB to 0dB
Format Conversion	2ch PCM to analog
Lip Sync	0-170ms in 1ms increment
Tone/EQ Range	-20dB to +20dB in .5dB increment
Digital Inputs – Optical & Coaxial	
Format	PCM (7.1ch) SPDIF, Dolby© Digital & True HD, DTS-HD© & Master Audio
Format Conversion	2ch PCM to Analog stereo D/A
Lip Sync	0-170ms
Digital Outputs – Coaxial & HDMI	
Format	PCM (7.1ch) SPDIF from digital inputs
Format Conversion	2ch SPDIF from analog sources (requires mirror of analog zone output)
Lip Sync	0-170ms (requires mirror of analog zone output)
Tone/EQ	Bass/Treble/5 band (requires mirror of analog zone output)

Specifications and descriptions subject to change due to product upgrades and improvements. Be sure to consult the **UltraMatrix Designers Guide** for detailed design and feature information. Download it today at **www.elanhomesystems.com/dealer** or ask your local ELAN representitive.

VIDEO	
HDMI Inputs/Outputs	▪ HDMI 1.4a compliant ▪ 3D capable ▪ 36 bit deep color ▪ HDCP 1.1 compliant ▪ 6.75 Gps data rate ▪ 1080p, 1920x1080@60Hz, HDTV compatible 340MHz up to 16 bit Y-U-V 444 supported @ 1080p/60)
HDBaseT Outputs	▪ HDMI compliant to v1.4a ▪ 3D capable ▪ Refresh rates 24Hz, 30Hz, 60Hz ▪ Uncompressed video resolution 1080p, 1920x1200 ▪ Deep Color 24-48 bit ▪ Vertical Frequency Range 50 – 60 Hz ▪ Digital Audio PCM/7.1ch formats including Dolby Digital, ▪ True HD, DTS-HD & Master Audio
Zone Outputs	Bi-directional serial and IR, Ethernet
Chassis Control	Ethernet, Serial RS-232
GENERAL	
Dimensions w/feet (3U without feet)	17" x 6" x 12-1/4" 431.8 x 152.4 x 311.15 mm
Included in box	(1) ea US power cord (1) ea EU power cord (1) rack mount hardware (1) installation manual
Certifications	CE, UL, IC, FCC
POWER	
Mains supply	120/240 V~, 50Hz/60Hz, 2.5A max
Power Consumption	Mains off: < 0.01W Networked standby, RS-232 only connected: < 0.5W Networked standby, TCP/IP only connected: < 1.0W Networked standby, RS-232 & TCP/IP connected: < 1.0W Automatic networked standby mode is activated 10 minutes after loss of control signal via Ethernet control port or RS-232 control port.

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