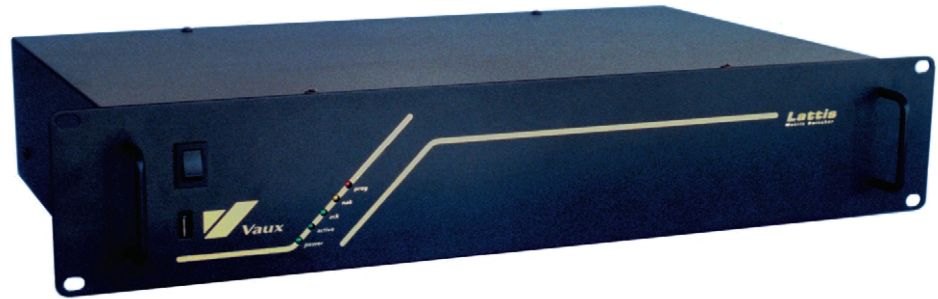


Lattis Matrix Switchers

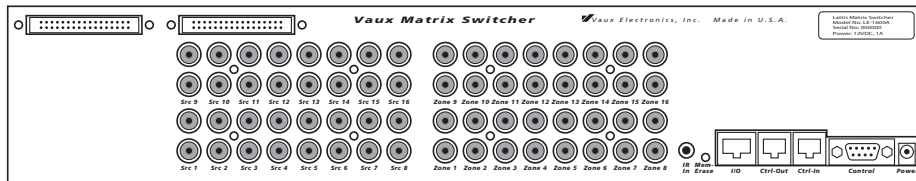
Multi-room High-Fidelity Audio & High-Definition Video



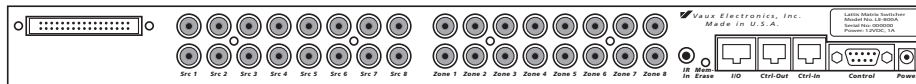
- *Up to 24 Sources and 16 Zones per switcher, expandable to 255 High-Fidelity zones of audio and/or video*
- *Control via Ethernet, RS-232 Serial, and/or Infrared*
- *Full support for AMX Duet Dynamic-Discovery for both Ethernet and Serial switchers*
- *HDTV Component switchers for 1080p, 1080i, and 720p Hi-Def applications, as well as 480p and 480i Std-Def use*
- *Stereo Audio switchers provide zoned Volume, Bass, Treble, Balance, Mono/Stereo and Mute*
- *Save multiple states for Paging and Presets*
- *Programmable zone Turn-on volumes, Source-Leveling, etc*
- *Composite Video units switch NTSC or PAL Video, and/or S/PDIF Digital Audio*
- *Breakaway routing commands for audio-only, video-only, or audio/video*
- *Group Zones for concurrent routing/volume, in addition to independent zone control*

Vaux Electronics

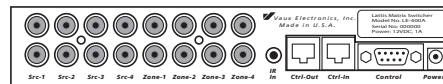
Stereo Audio Switching with Volume/Bass/Treble Control



LE-1600A
16x16 Stereo Audio



LE-800A
8x8 Stereo Audio

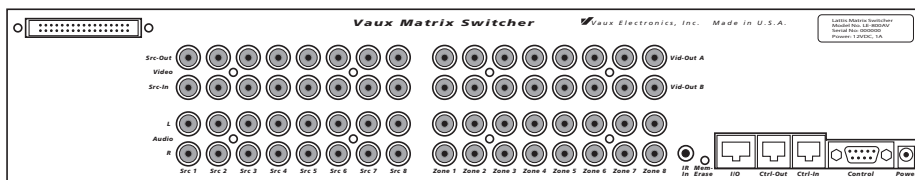


LE-400A
4x4 Stereo Audio

Lattis LE-1600A, LE-800A, and LE-400A switchers accept line-level audio sources, and provide each zone with independent control of source-selection (routing) and volume levels. These high-fidelity matrix switchers allow each zone to have adjustable bass, treble, balance, min, and max levels. Each zone has an adjustable initial turn-on volume level, and volume taper rates for switching. Multiple states may be saved and recalled for preset or paging use. Paging couldn't be easier: issue a single command to switch to one of the paging states, and another command to restore the previous state – even across multiple switchers. You may also page with a contact-closure input. An output zone can be set to Mono mode, with independent control over left and right volumes. Source-Leveling trims input sources to the same level. A ribbon-cable expansion option daisy-chains sources to multiple switchers. All of our switchers (except LE-400A) may be ordered with an Ethernet control option.

**NEW
PAGING!
PRESETS!**

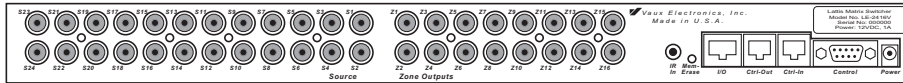
Audio and Video Switching



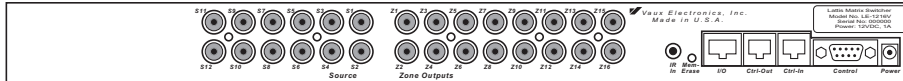
LE-800AV
8x8 Audio/Video

The Lattis LE-800AV switcher combines both audio and video into one chassis, maintaining all features such as volume/bass/treble control. Audio and video can be switched together, or independently. For example, the audio section may be used for whole-house audio distribution, while the video section is used for camera selection. The video section may also be used for S/PDIF digital-audio routing. As with all Lattis switchers, multiple units may be daisy-chained for expanding the zones (up to 255). A short modular control cable interconnects the units, so RS-232 and IR connections are made to only one switcher.

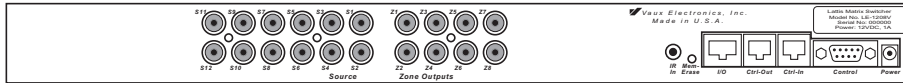
Composite Video and/or Digital Audio Switching



LE-2416V
24x16 Video



LE-1216V
12x16 Video

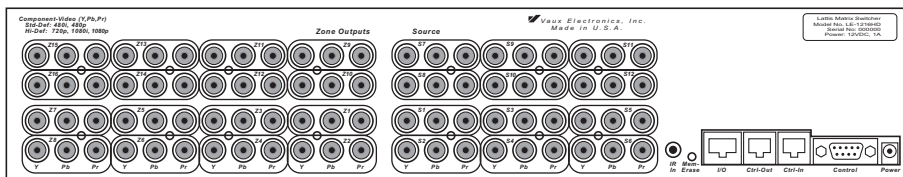


LE-1208V
12x8 Video

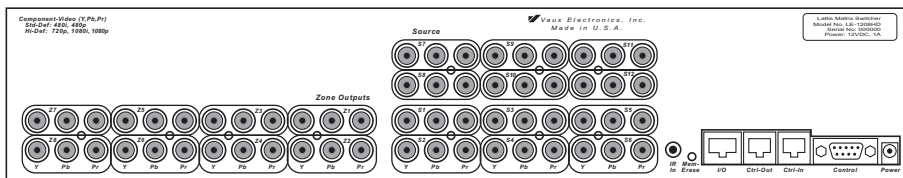
Lattis LE-2416V, LE-1216V and LE-1208V video matrix switchers are capable of NTSC or PAL composite video, and/or S/PDIF digital-audio switching. These units may be used in conjunction with our stereo audio switchers, or independently, for providing video and digital-audio routing solutions. Commands provide switching of audio/video sources, or breakaway control for audio-only or video-only routes. Zone outputs can run up to 250-feet on RG-6, RG-59, or other 75-ohm coaxial cable.

NEW!

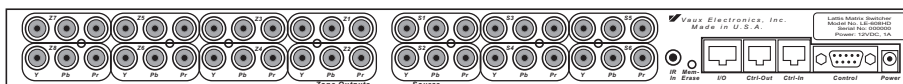
Hi-Def Component HDTV Video



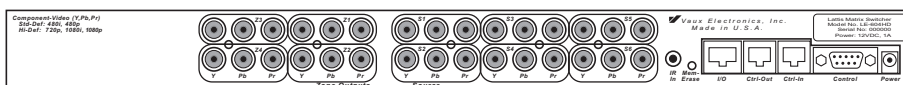
LE-1216HD
12x16 Hi-Def Component



LE-1208HD
12x8 Hi-Def Component



LE-608HD
6x8 Hi-Def Component



LE-604HD
6x4 Hi-Def Component

The new Lattis LE-1216HD, LE-1208HD, LE-608HD and LE-604HD units are high-definition component-video switchers. These switchers can route Hi-Def or Std-Def component sources to HDTV monitors up to 250 feet away. Our HD switchers handle Hi-Def 1080p, 1080i, and 720p formats, as well as Std-Def 480p and 480i. Additionally, they may be combined with any of our other switchers for various signal routing needs.

NEW!
1080p

Lattis Family Specifications:

Stereo Line-Level Audio Section:

Volume Adjustment Range (2 dB/step; off < -80 dB)	-64 to +6 dB
Bass Adjustment Range (3 dB/step)	-12 to +12 dB
Treble Adjustment Range (3 dB/step)	-12 to +12 dB
Input Impedance	47K ohm typ.
Output Impedance	100 ohm typ.
Frequency Response (into 47K ohm load)	20 Hz to 100 KHz
Input Signal Handling	2 Vrms max.
Zone Programmable: Min/Max/Initial Volume, Mute level, Mono/Stereo, etc.	

Component-Video, Composite-Video, and Digital-Audio Sections:

Input and Output Impedance	75 ohms
Bandwidth	120 MHz
Differential Gain	0.1% typ.
Differential Phase	0.2 degree typ.
THD Hi-Def @ 22MHz	0.6% typ.
THD Std-Def @ 5MHz	0.05% typ.
Component-Video (Y, Pb, Pr), Hi-Def	720p, 1080i, 1080p
Component-Video (Y, Pb, Pr), Std-Def	480i, 480p
Composite-Video	NTCS and PAL
Digital-Audio (coaxial)	S/PDIF (IEC 958)

Connectors

Stereo Line-Level Audio (Red/Wht)	Phono (gold)
Audio Source Daisy-Chain (-RE option; 2 to 10 switchers)	34-P ribbon
Component-Video (Grn/Blu/Red)	Phono (gold)
Composite-Video and S/PDIF Digital-Audio (Yel)	Phono (gold)
RS-232 Control Port (9-pin female D-sub)	DE9-F
Ctrl-In Expansion Port (RS-232 and IR Daisy-Chain)	6P6C
Ctrl-Out Expansion Port (RS-232 and IR Daisy-Chain)	6P6C
Ethernet or I/O Port	8P8C
Infrared IR-In Control Port (40-KHz modulated)	3.5 mm mono phone
DC Power Adapter (auto-polarity)	2.1 mm coaxial

Other:

Switcher Warranty (parts and labor) (remote controls: 1 year)	5 years
Dimensions (2U rack chassis) (48cm W x 8.9cm H x 25cm D)	19" W x 3.5" H x 10" D
Dimensions (1U rack chassis) (48cm W x 4.4cm H x 25cm D)	19" W x 1.75" H x 10" D
Dimensions (1/2U rack chassis) (22cm W x 3.8cm H x 15cm D)	8.5" W x 1.5" H x 6" D
Weight, 2U chassis (4.0 kilos)	9 lbs
Weight, 1U chassis (3.2 kilos)	7 lbs
Weight, 1/2U chassis (1.8 kilos)	4 lbs



BR-LE-0806



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Member



CUSTOM ELECTRONIC DESIGN & INSTALLATION ASSOCIATION

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