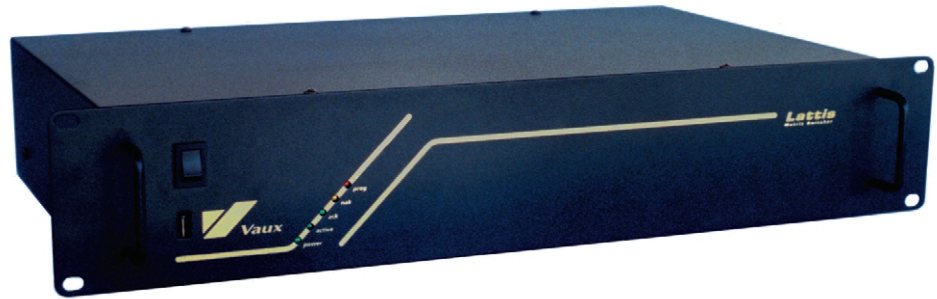


Lattis Matrix Switchers

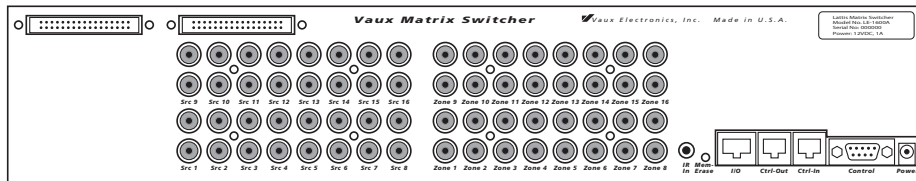
Multi-room High-Fidelity Audio & High-Definition Video



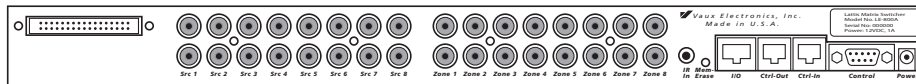
- *Up to 24 Sources and 16 Zones per switcher, expandable to 255 High-Fidelity zones of audio and/or video*
- *Control via Ethernet, RS-232 Serial, and/or Infrared*
- *Full support for AMX Duet Dynamic-Discovery for both Ethernet and Serial switchers*
- *HDTV Component switchers for 1080p, 1080i, and 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

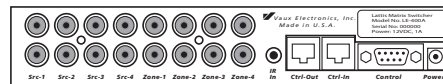
Stereo Audio Switching with Volume/Bass/Treble Control



LE-1600A
16x16 Stereo Audio



LE-800A
8x8 Stereo Audio

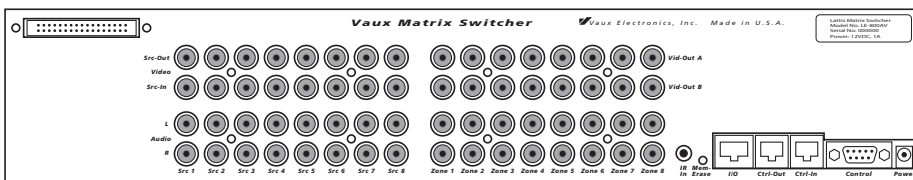


LE-400A
4x4 Stereo Audio

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!**

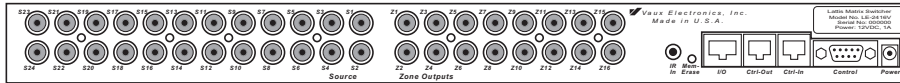
Audio and Video Switching



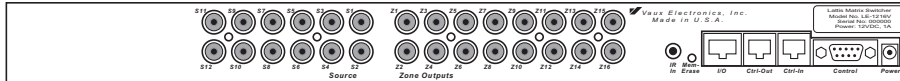
LE-800AV
8x8 Audio/Video

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.

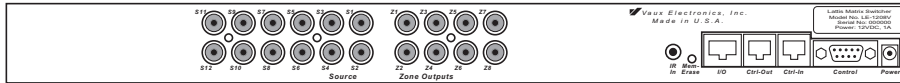
Composite Video and/or Digital Audio Switching



LE-2416V
24x16 Video



LE-1216V
12x16 Video

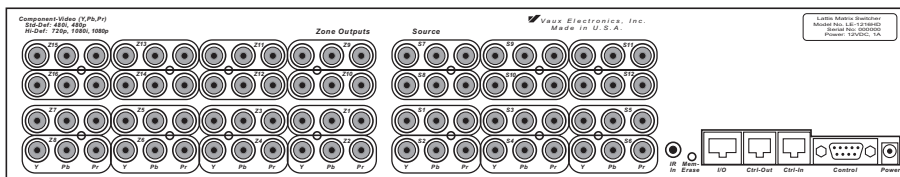


LE-1208V
12x8 Video

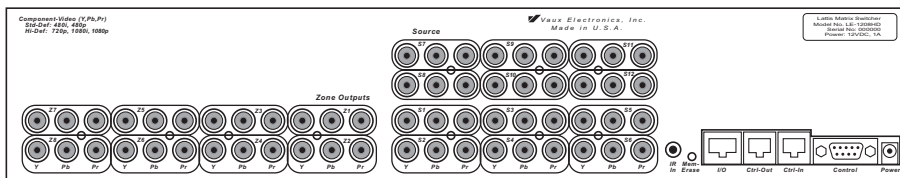
Lattis LE-2416V, LE-1216V and LE-1208V video matrix switchers are capable of NTSC or PAL composite video, and/or S/PDIF digital-audio switching. These units may be used in conjunction with our stereo audio switchers, or independently, for providing video and digital-audio routing solutions. Commands 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!

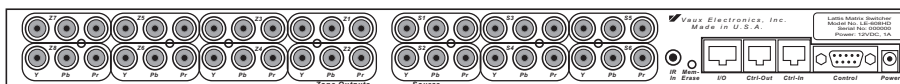
Hi-Def Component HDTV Video



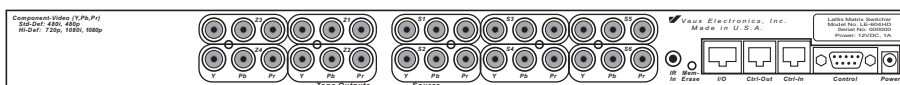
LE-1216HD
12x16 Hi-Def Component



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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