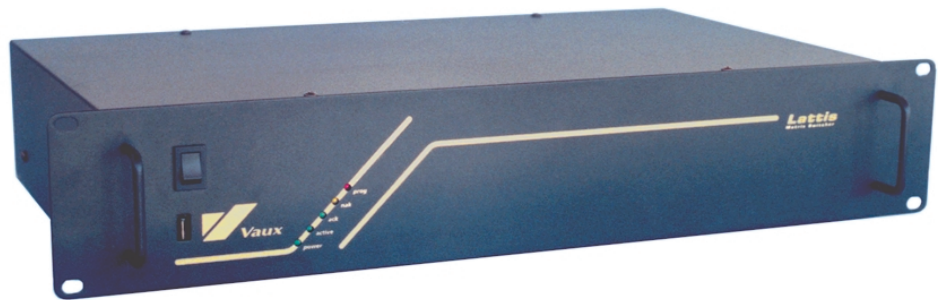


Lattis Matrix Switchers

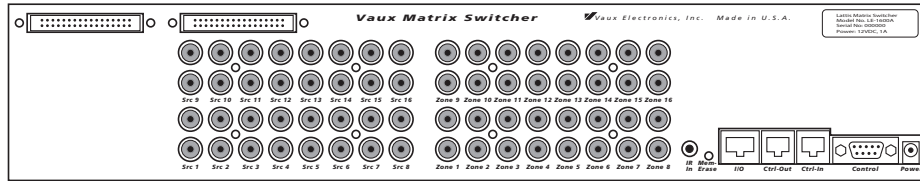
Multi-room High-Fidelity Audio & High-Definition Video



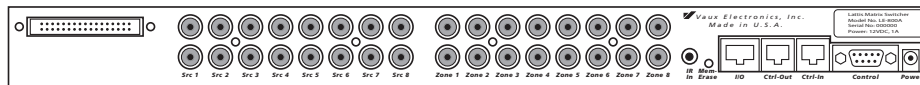
- 4x4, 8x8, and 16x16 switchers
- Expandable to 255 zones
- Control via RS-232 and/or Infrared
- High-Fidelity audio, HDTV Hi-Definition video
- Stereo Audio switchers provide zoned Volume, Bass, Treble, Balance, Mono/Stereo and Mute
- Programmable zone turn-on volumes, and Source-Leveling for input volume trims
- Composite Video units switch NTSC or PAL Video, and/or S/PDIF Digital Audio
- Hi-Def Component switchers for 480i, 480p, 720p, 1080i, and 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

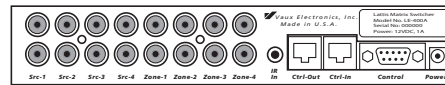
Stereo Audio Switching with Volume/Bass/Treble Control



LE-1600A
16x16 Stereo Audio



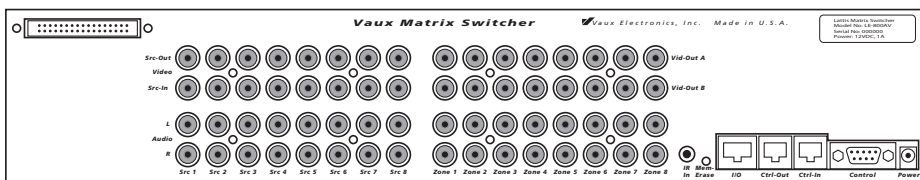
LE-800A
8x8 Stereo Audio



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. A 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.

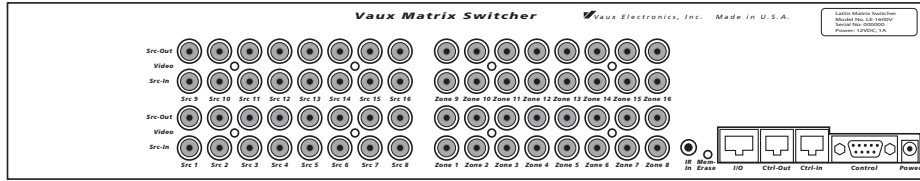
Audio and Video Switching



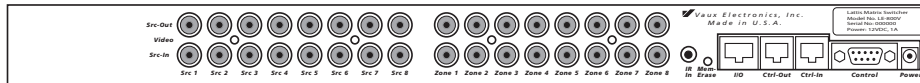
LE-800AV
8x8 Audio/Video

The Lattis LE-800AV switcher combines an 800A and 800V 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-1600V
16x16 Video and/or Digital-Audio

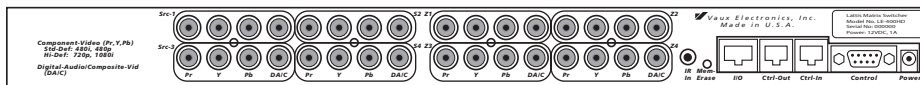


LE-800V
8x8 Video and/or Digital-Audio

Lattis LE-1600V and LE-800V 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. RS-232 control using VauxProtocol, allows commands for switching audio/video sources, or breakaway control for audio-only or video-only routes. Each source input has a buffered output above it, and each zone output has two jacks, for driving one or two 75-ohm cables. Zone outputs can run up to 250-feet on RG-6 or RG-59 coaxial cable.

NEW!

Hi-Def Component HDTV Video and Digital Audio Switching



LE-400HD
4x4 Hi-Def Component Video and Digital-Audio

The new Lattis LE-400HD, is a component-video and digital-audio matrix switcher. This unit can route four Hi-Def or Std-Def component sources, to four HDTV monitors up to 250 feet away. In addition to the component video channels, a S/PDIF digital-audio channel, or composite-video channel, may be routed as well. The switcher handles Std-Def 480i signals, Progressive-Scan 480p, as well as Hi-Def 720p and 1080i formats. Additionally, it may be combined with any of our other switchers for various signal routing needs. All Lattis switcher may be controlled with RS-232 ascii commands from a control system, and/or infrared commands from a Vaux remote control, or IR-learning keypad or remote.

NEW!

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	50 MHz
Differential Gain	0.5% typ.
Differential Phase	1 degree typ.
Non-Linearity	0.5% typ.
Component-Video (Y, Pb, Pr), Hi-Def	720p, 1080i
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)
S/PDIF Digital-Audio (Yel)	Phono (gold)
Composite-Video (In:Blk, Out: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
I/O Port	8P8C
Infrared IR-In Control Port (40-KHz modulated)	3.5 mm phone
Power Adapter (auto-polarity)	2.1 mm

Other:

Switcher Warranty (parts and labor) (remote controls: 1 year)	5 years
Power Adapter (2.1mm)	12 VDC @ 1000 mA
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



BR-IE-0803



PHONE: (480) 354-5556
FAX: (480) 354-5558
www.vauxelectronics.com • sales@vauxelectronics.com

Member



CUSTOM
ELECTRONIC
DESIGN &
INSTALLATION
ASSOCIATION

Lattis, Aris, Altrix, MediaMation, and Vaux are trademarks of Vaux Electronics, Inc. Other trademarks are owned by their respective companies.

Product specifications and availability are subject to change without notice. For the latest information, contact Vaux Electronics, Inc. ©2003 Vaux Electronics, Inc. All rights reserved. Printed in the U.S.A.