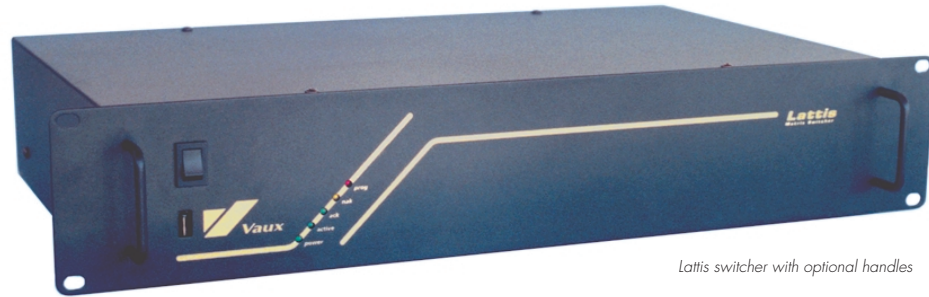


**LE-1600A** 16x16 Audio

**LE-1600V** 16x16 Video

**LE-800A** 8x8 Audio

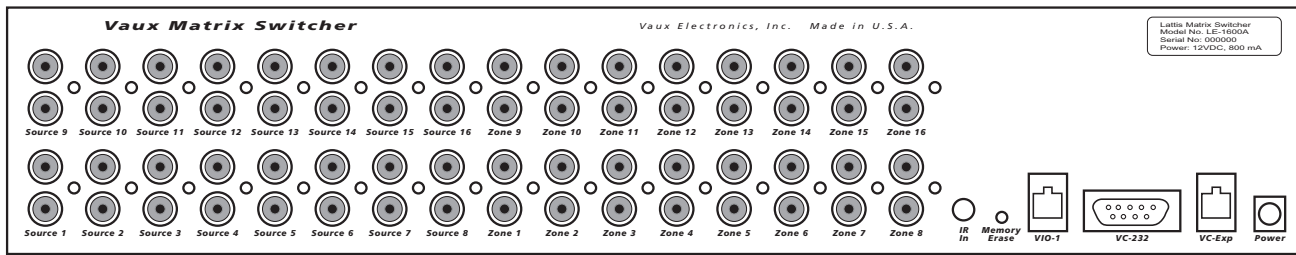
**LE-800AV** 8x8 Audio/Video



Lattis switcher with optional handles

The Lattis Family of Matrix Switchers provides simple solutions for routing stereo-audio and composite-video signals - with full **volume-control** on all zones. A complete RS-232 protocol, as well as IR and keypad control capability, allow a flexible, and expandable, multi-zone A/V system.

- **Volume, Bass, Treble, Balance, and Mute for each zone**
- High-fidelity stereo audio
- NTSC/PAL composite video
- Fully buffered in and out
- **Control via RS-232, IR remote, and/or wired keypads**
- Breakaway switching commands
- **Zone-Clusters** group zones for concurrent routing/volume, in addition to independent control
- **Memory-Presets** for save & recall of different routing/volume states
- Stack multiple switchers for up to **255 total stereo zones**
- Any zone can be Mono (same source, independent L & R volume)
- **Programmable** for each zone's min/max/initial-volume, mute-level, volume-taper-rates, etc.
- **Source-Leveling** for input trim
- Power-up to Standby or Previous routing/volume state



LE-1600A rear panel

## Lattis Family Specifications:

### Audio Section:

Volume Adjustment Range (2 dB/step; off < -80 dB) (for pass-through zone, set Initial-Volume level to 0-dB)	-80, then -62 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; -3 dB rolloff)	20 Hz to 100 KHz
Input Signal Handling	2 Vrms max.
Zone Programmable: Min/Max/Initial Volume, Mute level, Mono/Stereo, etc.	

### Video Section:

Input Impedance	75 ohms
Output Impedance	75 ohms
3 dB Bandwidth	12 MHz
Differential Gain	0.5% typ.
Differential Phase	1 degree typ.
Non-Linearity	0.5% typ.

### Input/Output Connectors

Sources: Stereo Line-Level Audio and Composite Video Inputs	Phono
Zones: Stereo Line-Level Audio and Composite Video Outputs (each video source has a buffered output, and each video zone has two outputs)	Phono
VC-232: RS-232 Control Port	DB-9 F
VC-Exp: Expansion Port for RS-232 Daisy-Chain	6P6C
VIO-1: I/O Port: Digital In/Out (1 ea.) and RS-485 Network	6P6C
IR-In: Infrared Control Input Port (40-KHz modulated)	3.5 mm phone
Power: Jack for 12 VDC Adapter (auto-polarity)	2.1 mm

### Other:

Power Consumption	12 VDC @ 800 mA
Dimensions (2U rack chassis) (48cm W x 9cm H x 25cm D)	19" W x 3.5" H x 10" D
Weight (26 kilos)	12 lbs

DS-LE-0999



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