

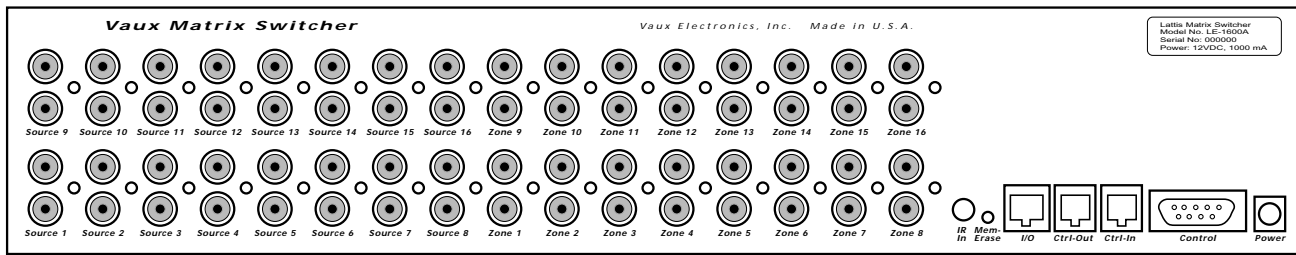
LE-1600A 16x16 Audio

LE-1600V 16x16 Video



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 infrared control capability, allow a flexible, and expandable, multi-zone A/V system.

- **Volume, Bass, Treble, Balance, and Mute for each zone**
- Stack multiple switchers for up to **255 total stereo zones**
- High-fidelity stereo audio
- NTSC/PAL composite video
- Fully buffered in and out
- **Control via RS-232, or IR remote.**
- Breakaway switching commands: A/V, Audio-only, or Video-only.
- **Zone-Clusters** group zones for concurrent routing/volume, in addition to independent control
- 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
- **Balanced** in/out converters available.



LE-1600A rear panel

Lattis Family Specifications:

Audio Section:

Volume Adjustment Range (2 dB/step; off < -80 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
Control: RS-232 Control Port	DB-9 F
Ctrl-Out: Expansion Port Out for RS-232 Daisy-Chain	6P6C
Ctrl-In: Expansion Port In for RS-232 Daisy-Chain	6P6C
I/O: Digital In/Out (1 ea.) and RS-485 Network	8P8C
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 @ 1000 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

DSLLE1600-1101



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