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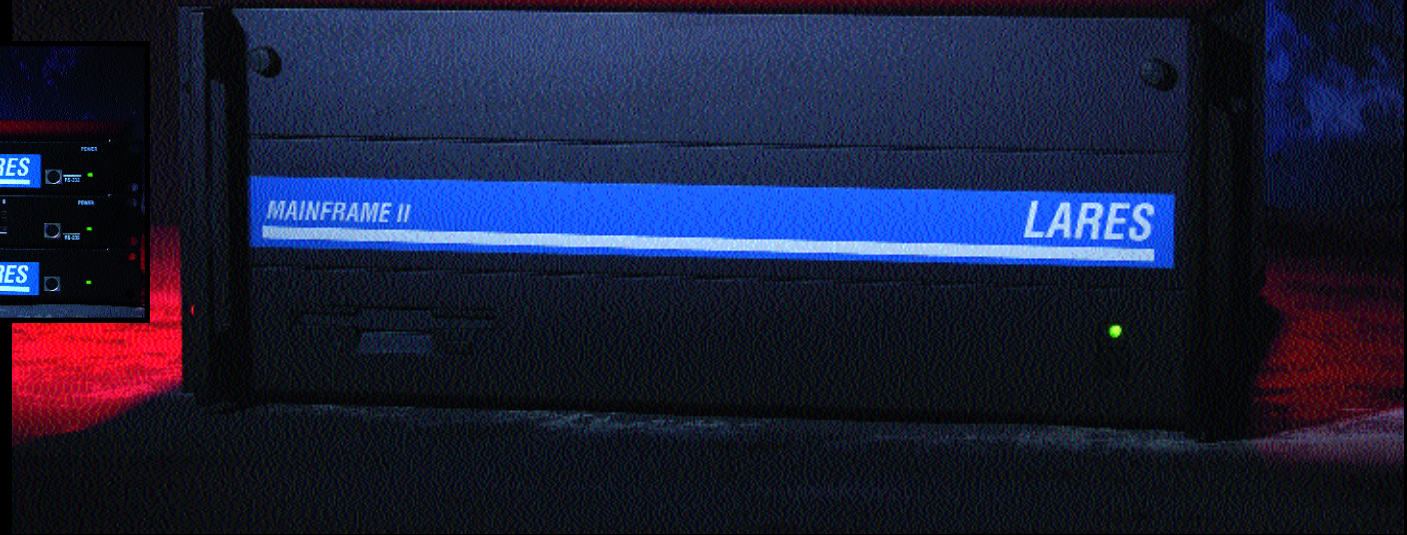
The LARES Mainframe II represents the new state of the art in electronic acoustical enhancement. At its core is a modular, upgradable DSP powerhouse that utilizes the latest advancement in Lexicon's proprietary LSI Lexichips. These reside in DSP modules that provide 24 bit/96kHz processing resolution. The base LARES Mainframe II, equipped with

one DSP module, replaces two of the previous Mainframes; with each delivering ten times

more processing power. Inserting another DSP module doubles processing power, enabling it to replace four of the previous mainframes. The LARES Mainframe II integrates into the LARES system architecture using totally digital interconnection, ensuring the ultimate in sonic purity.

LARES Software is loaded and upgraded from the internal CD-ROM, and the system can store up to 1000 presets internally. Up to one hundred presets can be stored to the internal floppy disc. The system programmer communicates up to 1000' distances and terminates via a dB-9 connector.

LARES Mainframe II offers many new features, including two additional inputs in each algorithm, allowing independent processing for early and late energy, larger room sizes, unlimited presets, and more. Together with the other LARES components, it forms the world's only complete and comprehensive acoustic enhancement system.



Specifications

AUDIO PERFORMANCE

Frequency Response @ 48kHz: 20Hz-20kHz, ± 1 dB
Frequency Response @ 96kHz: 20Hz-40kHz, ± 1 dB
Dynamic Range: >107 dB (20Hz-20kHz)
THD: $< .002\%$
Digital Audio I/O Connectors: Four Male XLR Outputs;
Four Female XLR Inputs
Format: AES/EBU
Word Size: 24-bits
Sample Rates Internal: 44.1/48/88.2/96kHz
Accuracy: Within ± 10 ppm
Meets AES 11, Grade 2
External: 44.1/48/88.2/96kHz
Lock Range: $\pm 1.5\%$

SYNCHRONIZATION

TTL Word Clock Input: 75W, BNC
self-terminating loopthru
TTL Word Clock Output: BNC
Clock Jitter: Intrinsic Jitter and Jitter Gain:
Exceeds AES3, Amendment 1

CONTROL INTERFACES

Remote Control: LARC2 ports (2)
MIDI: In/Out/Thru 5-Pin DIN

INTERNAL HARD DISC STORAGE

User Registers: 1,000

REMOVABLE 3.5" FLOPPY DISK STORAGE

User Programs: 100

POWER REQUIREMENTS

100-120/220-240 VAC,q
50-60Hz, 300W max,
Connector: 3-pin IEC

PHYSICAL SPECIFICATIONS

Size: 19.0"W x 17.4"D x 7.0"H
(483mm x 442mm x 178mm)
(4 rack units)
Weight: 35 lbs.

REGULATORY APPROVALS

FCC: Class A; CE: EN55103-1,
EN55103-2; UL: UL1419;
C-UL: C22.2; TUV: EN60065

ENVIRONMENT

Operating: 10° to 40° C
Storage: -30° to 70° C
Humidity: 95% max, non-condensing

All information in this document is correct to the best of our ability. However, we reserve the right to modify any product description or specifications without notice.

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