

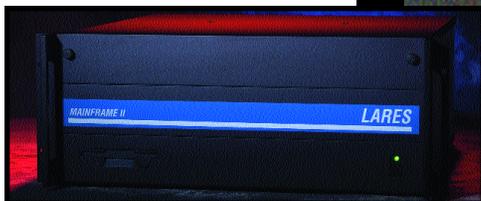
LARESMP5-420 MICROPHONE PREAMPLIFIER: LARES MPS420 consists of four independent microphone preamplifiers - each one having balanced inputs and outputs, with switchable phantom power and 20 dB pad. In addition to the four independent outputs, a stereo

mix (four pre-amps to two outputs) and a front panel stereo headphone amp to monitor the mixed outputs is provided. The total gain range, including the pad, is -2 to +73 dB. The system is powered by a PS10B power supply (included).



LARES SIGNAL PROCESSOR:

The LARES Signal Processor provides both the DSP functionality, as well as the audio and control networks, which enable LARES systems to be easily configured for a wide range of applications. Eight A/D and D/A converters, each with 24 bit precision, operate at a user selectable sampling rate between 32 kHz and 96kHz. Sixteen independent bi-directional digital audio terminations provide network interconnection between LARES Signal Processors. Control signals are also independently routed over the network. This allows a single control surface to communicate to an unlimited number of LARES Processors - whether they are mounted together in a single rack, or in numerous locations throughout the facility.



LARES Signal Flow Designer Software for Windows provides password protected system configuration and management. Digital Signal Processing functions include Mixing, Routing, Equalization, Bandpass Filtering, Dynamics, Leveling and Signal Generation. These functions can be used in any combination, and in any routing configuration, to provide the optimum processing complement for each LARES installation. All settings - including input and output levels - can be stored, recalled remotely, and set to default when the unit is powered.



De Bijloke
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LARES OUTPUT PROCESSOR: The LARES Output Processor is identical to the LARES Signal Processor but is supplied without input A/D converters. This provides a cost savings in LARES systems that do not require this capability. Like the LARES Signal Processor, it provides both the DSP functionality, as well as the audio and control networks, which enable LARES systems to be easily configured for a wide range of applications. Eight D/A converters with 24 bit precision, operate at a user selectable sampling rate between 32 kHz and 96kHz. Control signals are also independently routed over the network.

LARES NETWORK PROCESSOR: The LARES Network Processor is an active hub that shares the same DSP core as the LARES Signal Processor and LARES Output Processor. Unlike these other processors, the LARES Network Processor has no analog audio inputs or outputs. Instead, it is equipped with six network jacks. It expands networking and signal routing capabilities to provide for the complex requirements of large LARES systems.

LARES MAINFRAMEII: 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 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.

LARES 01 POWER AMPLIFIER: The LARES 01 Power Amplifier provides four independent amplifier channels with unparalleled consistency and sonic purity. Its quad complementary output stage produces less distortion than even a Class A design. Its stability and reliability are exceptionally high, and it is backed by a remarkable 20 year warranty!

LARES 440 LOUDSPEAKER: The LARES 440 Loudspeaker provides the compact size, weight, and power uniformity that are important for acoustic enhancement. Power handling and sensitivity meet or exceed the requirements for typical LARES applications, and frequency response is sufficient for orchestral applications without the need for additional subwoofers.

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