

SERENIX PROFESSIONAL AUDIO

SR-LMS Series

32-bit SHARC loudspeaker management —
2, 3 or 4 inputs with full matrix assignment.

A digital matrix processor built on a 32-bit SHARC engine with 96 kHz sampling and 24-bit conversion. Input processing covers high-cut and low-cut filters, eight bands of PEQ, noise gate, gain, mute, phase, delay and linking; outputs add crossover, nine PEQ bands and compressor / limiter. Every input and output can be freely matrix-assigned and renamed.

2 / 3 / 4	4 / 6 / 8	96 kHz	680 ms	30
INPUTS	OUTPUTS	SAMPLING	MAX DELAY	USER PRESETS



FEATURES

- 01

32-bit SHARC processing

96 kHz sampling with 24-bit A/D and D/A conversion throughout the signal path.
- 02

Deep filter set

Butterworth, Linkwitz-Riley and Bessel high- and low-cut filters with slopes from -6 to -48 dB per octave.
- 03

Free matrix assignment

Any input to any output, with renameable channels and independent phase curve adjustment.
- 04

Control and recall

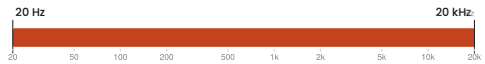
USB, RS232, RS485 and Ethernet control, 30 user presets and cascade control of up to 255 units.

SPECIFICATIONS

	2403	3603	4803
Input / output channels	2 in / 4 out	3 in / 6 out	4 in / 8 out
Input / output connectors	XLR female in, XLR male out		
Frequency response	20 Hz–20 kHz ±0.3 dB		
Dynamic range	115 dBu		
THD	<0.008 % at 1 kHz (0 dBu)		
Crosstalk	>70 dBu, 20 Hz–20 kHz		
CMRR	>75 dBu at 1 kHz		
Line input	Balanced; gain 35 dBu; >50 kΩ		
Output	Balanced; max 18 dBu; <500 Ω		
DSP	24-bit sigma-delta A/D and D/A; 32-bit SHARC; 96 kHz		
Input processing	High-cut, low-cut, 8 PEQ, noise gate, gain, mute, phase, delay, link		
Output processing	Crossover, 9 PEQ, gain, mute, compressor / limiter, phase, delay, link		
Maximum delay	680 ms, all channels		
Dimensions (W × D × H)	482 × 205 × 44 mm		
Net weight	2.3 kg		

All figures are nominal, per manufacturer data.

FREQUENCY RANGE



20 Hz–20 kHz ±0.3 dB, per published specification.

HIGHLIGHTS

- Built-in pink, white and sine test generator
- Allpass PEQ styles for 180° and 360° phase adjustment
- Cascade control of up to 255 units with password protection
- Front-panel level metering, USB and Ethernet control

APPLICATIONS

- Loudspeaker management
- Multi-zone systems
- Touring racks
- Fixed installation