

SERENIX PROFESSIONAL AUDIO

SR-AMP-DSP
4600 / 4750 / 4900

Four-channel network DSP amplifiers — 600 W, 750 W or 900 W per channel.

Four-channel Class D amplifiers with an ADI DSP processor, high-fidelity 24-bit conversion and an embedded Dante transmission module supporting four Dante or four analogue inputs. Each output channel carries eight bands of parametric EQ, crossover, delay, limiter, gain and polarity, controlled from a 3.97-inch touch screen or over USB and RJ45.



4 × 600–900 W 8 Ω STEREO	>112 dB S / N	>1000 DAMPING	48 kHz SAMPLING	1U RACK HEIGHT
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FEATURES

01 ADI DSP processor High-performance processing with low-noise 24-bit A/D and D/A conversion.	02 Embedded Dante Four-channel Dante or analogue input feeding four digital amplifier outputs.	03 Per-channel processing Eight-band parametric EQ, frequency division, delay, limiter, gain and polarity on every output.	04 Networked cascade Network output socket links to the next amplifier for multi-unit online operation.
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SPECIFICATIONS

	4600	4750	4900
Stereo power, 8 Ω	4 × 600 W	4 × 750 W	4 × 900 W
Level adjustment	Front panel potentiometer, –∞ to 0 dB		
Frequency response	20 Hz–20 kHz, ±0.3 dB		
Frequency response (1 W / 8 Ω)	20 Hz–34 kHz (+0 / –0.3 dB)		
THD + N	<0.008 % at 2.2 dBu		
Total harmonic distortion	<0.1 % (20 Hz–20 kHz, 1 W)		
Sampling / quantisation	48 kHz / 24-bit		
Noise floor	–88 dBu		
Input impedance	20 kΩ balanced / 10 kΩ unbalanced		
Output impedance	100 Ω balanced / 50 Ω unbalanced		
Input sensitivity / CMRR	1.22 V / >80 dB		
Signal-to-noise ratio	>112 dB		
Damping coefficient	>1000 at 8 Ω		
Output connector	Speakon socket		
Chassis size (H × W × L)	88 × 490 × 438 mm		
Net / gross weight	13.5 kg / 16.5 kg		

Maximum input and output level are published as errors in the source table and are omitted here. All figures are nominal, per manufacturer data.

POWER OUTPUT



Per channel into 8 Ω, stereo mode.

HIGHLIGHTS

- Class D output stage, front-to-back airflow
- 3.97" touch-screen menu operation
- Short circuit, open circuit, DC, thermal, over-voltage and RF protection
- AC 180–240 V, 50 / 60 Hz

APPLICATIONS

- Distributed Systems
- Conference Facilities
- Houses of Worship
- Fixed Installation