

SERENIX PROFESSIONAL AUDIO

SR-AMP-DSP41000

4 × 1000 W network amplifier — inbuilt DSP, Dante and PFC power supply.

A four-channel Class D network amplifier delivering 1000 watts per channel into 8 ohms and 1600 watts into 4 ohms, with 3000 watts per pair in bridge mode. An advanced PFC power supply runs on wide mains voltage, while onboard DSP, optional Dante and FIR filtering cover system processing without an external processor.



4 × 1000 W 8 Ω	4 × 1600 W 4 Ω	2 × 3000 W BRIDGE	105 dB SNR	2U RACK HEIGHT
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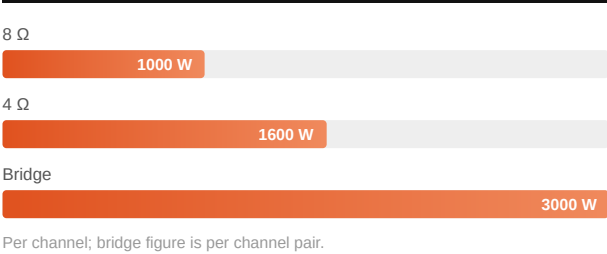
FEATURES

01 Stable PFC supply An advanced power-factor-corrected supply operates across 180–264 VAC.	02 Class D with DSP 48 kHz, 24-bit DSP for noise gate, PEQ, delay, compressor and limiter.	03 Dante and FIR Optional four-channel Dante input and FIR filtering with up to 2048 taps.	04 Distributed or direct 100 V, 70 V, 8 Ω and 4 Ω from the same unit.
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SPECIFICATIONS

Channels	4
Power	4 × 1000 W @ 8 Ω; 4 × 1600 W @ 4 Ω
Bridge mode	2 × 3000 W @ 8 Ω
SNR	105 dB
Cooling	Dual fans, intelligent control
Protection	Audio limiter, high temperature, DC, high frequency, short circuit, back EMF, peak and surge current limiter, start delay, power breaker, over- and under-voltage
Device monitor	Temperature, power, voltage, current
Support functions	100 V, 70 V, 8 Ω, 4 Ω
DSP	AD/DA ADI Sigma 300 MHz, 48 kHz, 24-bit
Input connections	Balanced analogue 4 × XLR, Dante, AES
Output interface	Speakon × 4, binding post × 4
Frequency response	20 Hz–20 kHz (±0.5 dB) at 1 W, 8 Ω
THD + N	<0.1 % at 1 W to full power
Channel isolation	<–70 dB
Control	USB type A-B, RS232 / RS485 / GPIO, RJ-45 TCP/IP
Display	4.3" IPS colour touch display
Power supply	AC 180–264 V, 50 / 60 Hz
Product dimensions	483 × 460 × 89 mm, 2U
Packed dimensions	570 × 550 × 165 mm
Net / packed weight	12.35 kg / 16.00 kg

POWER OUTPUT



HIGHLIGHTS

- 4 × 4 matrix, free assignment
- Butterworth, Bessel, Linkwitz-Riley, all-pass filters
- Stereo, bridge, parallel and matrix modes
- USB and TCP/IP control, RS232 / RS485 / GPIO

APPLICATIONS

- Distributed Systems
- Multifunction Halls
- Houses of Worship
- Fixed Installation

The specification page in the source is headed SR-AMP-DSP41500; power figures shown here are those published for the 41000. All figures are nominal, per manufacturer data.