

SERENIX PROFESSIONAL AUDIO

SR-AMP-DSP41500

4 × 1500 W network amplifier — inbuilt DSP, Dante and FIR filtering.

A four-channel Class D network amplifier with onboard DSP, optional Dante and FIR filtering. It drives 1500 watts per channel into 8 ohms, 2800 watts into 4 ohms, or 3000 watts per pair in bridge mode, and supports 100 V and 70 V distributed lines directly. A 4.3-inch IPS touch screen and Windows control software handle configuration and monitoring.



4 × 1500 W 8 Ω	4 × 2800 W 4 Ω	2 × 3000 W BRIDGE	94 dB S / N	2U RACK HEIGHT
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FEATURES

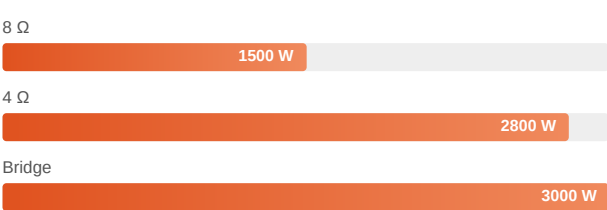
01 Class D with DSP 48 kHz, 24-bit DSP handles noise gate, PEQ, delay, compressor and limiter on every channel.	02 Dante networking Optional four-channel Dante input alongside balanced analogue and AES.	03 FIR and linear phase FIR filtering with 256 / 512 / 1024 / 2048 taps per channel for linear-phase system tuning.	04 Distributed or direct 100 V, 70 V, 8 Ω and 4 Ω operation from the same amplifier.
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SPECIFICATIONS

Channels	4
Power	4 × 1500 W @ 8 Ω; 4 × 2800 W @ 4 Ω
Bridge mode	2 × 3000 W @ 8 Ω
SNR	94 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

The feature list in the source quotes 4 × 1900 W @ 8 Ω and 4 × 3000 W @ 4 Ω, which conflicts with the specification table shown here. All figures are nominal, per manufacturer data.

POWER OUTPUT



Per channel; bridge figure is per channel pair.

HIGHLIGHTS

- 4 × 4 matrix, free assignment
- FIR taps 256 / 512 / 1024 / 2048
- Stereo, bridge, parallel and matrix modes
- GUI software for Windows 7 / 8 / 10 / 11

APPLICATIONS

- Distributed Systems
- Multifunction Halls
- Stadiums
- Houses of Worship
- Touring Racks