

SERENIX PROFESSIONAL AUDIO

SR-2000D Series

Two-channel Class-D amplifiers — 120 W to 500 W per channel, 1RU, high or low impedance.

A range of two-channel switching-technology Class-D amplifiers with minimum power consumption and efficiency up to 85 %. A single rack unit saves space and generates less heat, extending service life. Loudspeaker outputs serve both 100 V high-impedance lines and 4–16 ohm low-impedance systems, so one amplifier covers PA installation and hi-fi stereo work.

2 × 120–500 W RATED OUTPUT	85 % EFFICIENCY	1RU RACK HEIGHT	4–16 Ω AND 100 V	>110 dB S / N
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FEATURES

- 01

Switching Class-D

Switching power technology gives up to 85 % efficiency, less heat and a longer service life.
- 02

Two zones, one box

Separate 100 V and 4–16 Ω outputs let one unit serve two zones from multiple sources.
- 03

Filters and standby

Per-channel high-pass filters set by DIP switch, plus auto-standby to save power.
- 04

Full protection

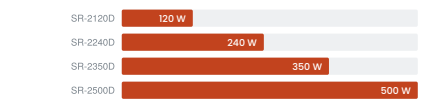
Short circuit, overload, high temperature, clip and DC protection with per-channel indicators.

SPECIFICATIONS

	2120D	2240D	2350D	2500D
Rated power output	2 × 120 W	2 × 240 W	2 × 350 W	2 × 500 W
Speaker output	4–16 Ω and 100 V			
Frequency response	L/H cut off: 20 Hz–20 kHz (+1 / –2 dB)			
Frequency response (filtered)	L/H cut on: 70 Hz–10 kHz (+1 / –3 dB)			
Input	0.775 V, 0 dBu, balanced phoenix connector			
Input impedance	10 kΩ			
THD	<0.05 % (1 kHz / –3 dBv, 100 W)			
S / N ratio	>110 dB			
Crosstalk	>70 dB, 1 kHz, max output			
Damping factor	>200			
Power consumption	300 W	550 W	800 W	1100 W
Power supply	AC 115 V / 230 V switchable, 50–60 Hz; 24 V DC optional			
Dimensions (W × D × H)	482 × 420 × 44 mm			
Operating temperature	–10° to +50°C			
Weight	7.0 kg	7.5 kg	8.0 kg	8.5 kg

The source feature list quotes an output of 2 × 5000 W, which appears to be a typographical error for 500 W. All figures are nominal, per manufacturer data.

POWER OUTPUT



Rated output per channel.

HIGHLIGHTS

- Balanced phoenix line input per channel with gain control
- Built-in auto standby
- Separate indicators for protection, clip, input and output
- Controllable via RS232, IP and GPIO through DSP

APPLICATIONS

- Two-zone PA
- Schools
- Offices
- Retail
- Hi-fi stereo installation