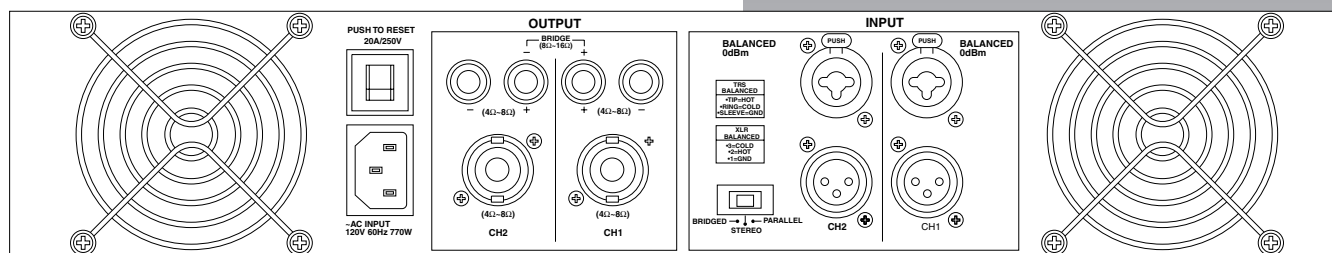
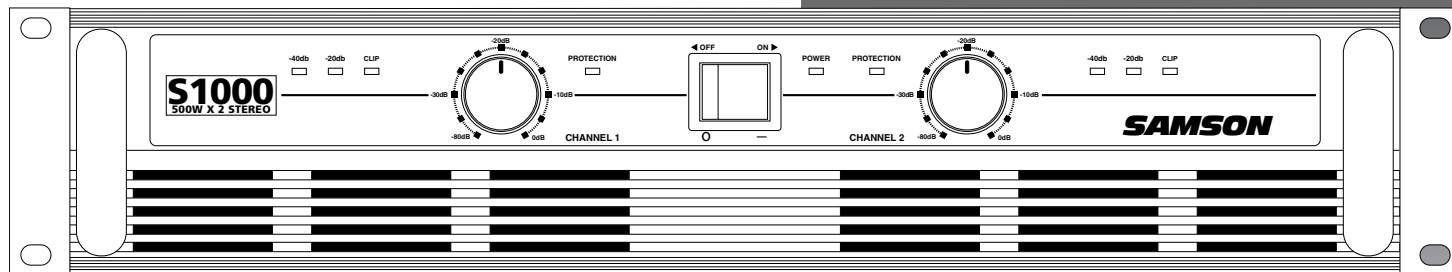


S1000

POWER AMPLIFIER

SAMSON



The S1000 power amp from Samson is designed for maximum reliability and efficient performance in a variety of live sound reinforcement situations, commercial installations and powering PA systems. Housed in a rugged and compact two-space rack-mount format, it features two speed-controlled fans that react to changes in temperature for maximum efficiency.

A bipolar design enables more stable operation while ensuring high-quality audio performance. The front panel includes two precise 41 detent input level controls with 3-segment LED output metering and dual protection LEDs linked to special relay-controlled LEDs to avoid speaker damage. A number of practical features such as XLR inputs and locking TRS inputs and parallel outputs for "daisy-chaining" several amps together complete this rugged performer.

- Stereo power amplifier in two rack spaces
- 500 watts a side into 4 ohms
- 1000 watts into 8 ohms in bridged mono mode
- Dual temperature-sensitive, speed-controlled fans for maximum reliability
- A stable bipolar design for long life and enhanced audio performance
- Two front-panel input level controls with 41 detents for greater accuracy
- 3-segment output LED metering.
- Dual protection LEDs and special relay-controlled outputs linked to the protection LEDs to avoid speaker damage in case of fault
- Banana jack outputs with Speakon™ connectors
- XLR inputs and locking TRS inputs
- Resettable fuse
- Parallel outputs to "daisy-chain" several amps together

Contact:

ARCHITECT'S & ENGINEER'S SPECIFICATION

The power amplifier shall be capable of stereo, mono bridged or parallel (daisy chain) operation. In stereo mode, it shall deliver a minimum of 500 watts into loads of 4 ohms each with both channels operating. In mono bridge mode, it shall deliver a minimum of 1000 watts into an 8 ohm load. It shall be cooled by two temperature sensitive speed-controlled fans, and shall have internal short-circuit and thermal protection circuitry. A protection LED indicator shall activate and the power amplifier shall shut down to protect against short circuits, overheating, severe overcurrent conditions or DC offset present at the outputs. The power amplifier shall have slow start-up and muted inputs on turn-on. Inputs shall be on XLR and locking balanced 1/4" tip-ring-sleeve connectors. Outputs shall be on Banana jack and Speakon™ connectors. The front panel shall have independent level controls for left and right channels, a master power switch and LED indicators for power, clip, -20dB, -40dB and amplifier protection.

The power amplifier shall have a frequency response of 10 Hz to 20 kHz, signal-to-noise equal to or greater than 103 dB and THD less than 0.03%. The dimensions shall allow for standard 19" EIA rack mounting. It shall be 3.75" (95.25 mm; 2 rack spaces) high and 9.75" (247 mm) deep. Weight shall be 36 lb. (16.3 kg). The power amplifier shall carry a three-year warranty.

The power amplifier shall be a SAMSON S1000.

S1000 SPECIFICATIONS

Rated Output Power, per channel (1 kHz, THD 0.1%, Both Ch Drive)		
Stereo / Parallel modes		
per channel (into 4 ohms)		545 W
per channel (into 8 ohms)		340 W
Bridged mode		
per channel (into 8 ohms)		1090 W
Frequency Response (0 dB, +0, -.5 dB)		10 Hz - 20 kHz
Total Harmonic Distortion		
(1/2 power @ 20 Hz - 20 kHz, Both Ch Drive into 4 ohms)		
		0.04%
Dynamic Range		103 dB
Channel Separation (4 ohm, 125 W, 1 kHz)		80 dB
Residual Noise (0 dB ref. = .775 VAC rms, 22 Hz - 22 kHz)		
(Att. Min.)		-65 dBu
(Att. Max.)		-68 dBu
Voltage Gain (4 ohm, 1 kHz)		35.2 dB
DC Offset Voltage		0 ± 100 mV
Damping Factor		More than 200
Indicators		
Clipping LED		1 kHz THD 0.1%
Signal LED Right		-20 dB ± 2 dB
Signal LED Left		-40 dB ± 2 dB
Dimensions		
	19 in (w) x 15.5 (d) x 3.75 (h)	
	482 mm (w) x 394 (d) x 95.25 (h)	
Rackspaces		2U
Weight		36 lbs. • 16.3 kg