

PS1000
Stereo power amplifier



DESCRIPTION

The PS1000 model is a two-channel stereo amplifier with a power delivery capability of up to 450 W per channel at 4 Ω, with the possibility of a mono mode capability of 880 W at 8 Ω. All amplifiers in the Professional Series line have been designed for the specific requirements of the world of professional audio, according to criteria of maximum reliability and ease of use. Power delivery remains constant even at high loads, with low heat dissipation and high performance thanks to low-leakage toroidal transformers, which provide an extra margin above the stated nominal output. Each of the power stages is completely independent in terms of both electrical and heat protections since each channel has its own heat sink and independent temperature control acting directly on the cooling fan. The signal is constantly monitored through a LED control on the front panel of the amplifier. An internal limiter provides loudspeaker system protection against damage caused by signal distortion. Cutting-edge electronic parts and high-level circuit engineering guarantee top efficiency standards. Thanks to its rigid chassis, the amplifier can withstand even the toughest fixed installation, guaranteeing maximum reliability at all times and under any operating conditions.

FEATURES

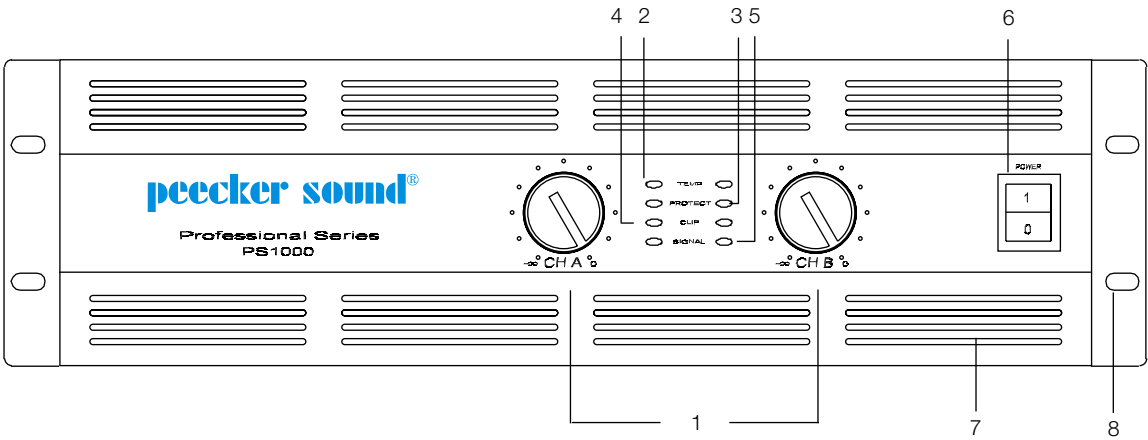
- High electro-mechanical efficiency and reliability
- Class AB output circuitry
- Automatic Soft Clip Limiter
- Complete protection systems
- Cannon® XLR inputs
- Neutrik® SpeakON outputs
- Forced air ventilation and maximum heat dissipation
- Designed for 19" rack unit installation (2 RU).

Table with 2 columns: Parameter and Value. Rows include: TECHNICAL SPECIFICATIONS, Power Output (per channel), Bridged Mono Power, Frequency Response, SNR, Distortion (THD+N), Input Gain Controls, Input Impedance, Input Sensitivity, Crosstalk, Phase Response, Damping Factor, Input Connectors, Output Connectors, Controls, Led Indicators, Amplifier Protections, Load Protections, Circuitry, Cooling, Power Requirements, Dimensions, Net Weight, Approvals.

All measurements have been taken in Sound Corporation research laboratories

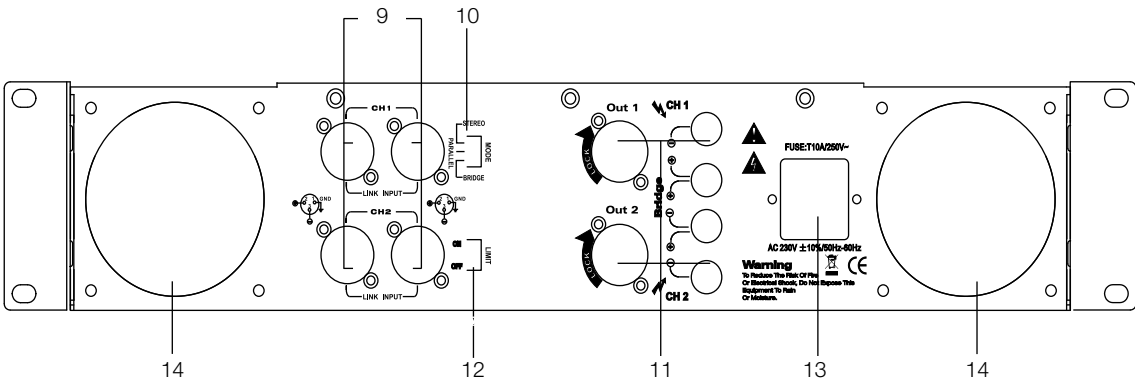
PS amplifiers

FRONT PANEL



- 1. CHA/CHB – Precision level control for each channel.
- 2. Temp – LED indicator that lights up when the overheat protection is tripped, for each channel.
- 3. Protect – LED indicator that lights up when the output overload or short circuit protection is tripped, for each channel.
- 4. Clip – LED indicator for signal clip point for each channel.
- 5. Signal – LED indicator showing the presence of an input signal for each channel.
- 6. Power – ON/OFF switch.
- 7. Ventilation grille.
- 8. Holes for standard rack assembly.

REAR PANEL



- 9. Link/input - Input with Cannon® XLR connectors for the two channels and outputs to set up the loop through.
- 10. Mode - Operating mode selection switch: stereo-parallel-bridge.
- 11. Out 1/Out 2 - Outputs with Neutrik® SpeakON connectors and screw terminals.
- 12. Limit - Limiter control switch. LIMIT ON: soft clip limiter enabled, LIMIT OFF: disabled.
- 13. Power Input - IEC 3-pin power supply connector.
- 14. Ventilation grille.