



DESCRIPTION

PA-4C250 is an advanced and highly versatile 4-channel digital amplifier engineered to deliver superior audio performance for professional and commercial sound applications. With a total power output of 1000W (250W per channel across four channels), this amplifier provides robust, high-fidelity sound reproduction, ensuring a dynamic and immersive audio experience for diverse environments.

FEATURES

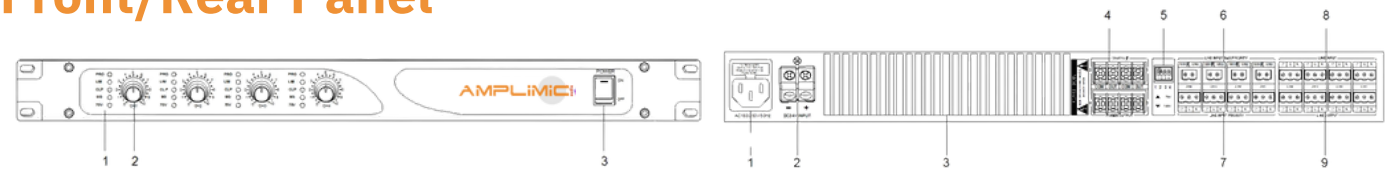
- **High Power Output:** 4 channels with 250W per channel, providing robust amplification for a variety of speaker setups.
- **Advanced Digital Amplification:** Efficient Class D design ensures superior audio clarity and thermal efficiency.
- **Versatile Connectivity:** Equipped with multiple input and output options to seamlessly integrate with diverse audio systems.
- **Superior Audio Performance:** Low Total Harmonic Distortion (THD) ensures pristine audio reproduction across the frequency spectrum.
- **Thermal and Overload Protection:** Built-in safeguards to protect against overheating and power surges, ensuring long-term reliability.
- **Compact and Durable Design:** Rugged construction and a sleek, space-saving form factor suitable for professional environments.
- **Intelligent Protection Circuitry:** Built-in safeguards for thermal, short-circuit, overload, and DC fault protection, ensuring operational stability and equipment longevity.
- **Energy Efficiency:** Low standby power consumption supports environmentally friendly and cost-effective operation.
- **Independent Channel Controls:** Per-channel gain adjustment and monitoring for optimal configuration and easy balancing.



SPECIFICATIONS

Type	4 Channels Digital Amplifier
Power consumption (AC220V)	1240W
Power consumption (DC24V)	708W
SNR (signal-to-noise ratio)	>80dB (100VRMS output)
Channel separation	>70dB(1KHz)
Frequency Response	80Hz-15kHz (±3dB normal operating conditions)
Input impedance	60K ohms (balanced) 20K ohms (balanced priority) 100Kohms(100Vunbalanced)
Gross weight (kg)	8

Front/Rear Panel



Front Panel

- **PA-4C250 Digital Amplifier** features a sleek and user-friendly front panel with essential controls and indicators. It includes a power switch with an LED status indicator, channel signal LEDs to monitor audio levels, and protection indicators for safe operation. The panel design ensures quick access and monitoring, making it ideal for professional audio applications.

Rear Panel

- Rear panel of the **PA-4C250 Digital Amplifier** offers a range of essential connectivity features. It includes balanced XLR and TRS inputs for high-quality audio signal input, along with binding post-speaker outputs for secure connections. The panel also features a power switch, voltage selector, and cooling fan vents for thermal management. Additionally, it provides protection indicators, gain control knobs, and signal routing options for flexible configurations. These features make it a versatile solution for professional audio installations.

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