

IPA™ -4250

Power Amplifier



Description

The Crest Audio® IPA™-4250 power amplifier is designed to connect quickly and easily to the Crest Audio PZS™-8250 powered zone mixer amplifier and provide four additional channels of efficient Class D audio amplification for the PZS-8250 output channels 5, 6, 7 and 8. The IPA-4250 can also be used as a standalone four-channel power amplifier using four electronically balanced line inputs.

The IPA-4250 includes an RJ45 jack on its rear panel to receive signals from channels 5 – 8 of the connected PZS-8250 via a single cable. Audio inputs can also be made to each channel via each of four electronically balanced line inputs with Euro-style connectors. Each of the four amplifier outputs can be configured individually for low-impedance (4-ohm), 25V, 70V or 100V constant voltage operation. The power amplifier section includes SPS speaker protection system circuitry and a high-pass filter to protect speaker transformers from low-frequency overload.

The IPA-4250's front panel includes a power LED as well as Signal and SPS speaker protection system indicator LEDs for each channel.

The IPA-4250 is housed in a rack-mountable 2U steel chassis and features a voltage selector switch for 120V or 240VAC operation.

Features

GENERAL:

- Four-channel Class D power amplifier with 250 watts per channel
- SPS speaker protection system
- High-pass filter to protect speaker transformers from low frequency overload
- 2U rack-mount chassis

FRONT PANEL:

- Power, Signal and SPS speaker protection system indication LEDs

REAR PANEL:

- RJ45 4-channel input connector for simple connection to PZS™-8250 outputs 5 – 8.
- Four electronically balanced Mic/Line inputs with Euro-style connectors
- 4 Ohm, 25V, 70V or 100V outputs, configurable per channel
- Line voltage switch for 120V or 240VAC operation
- Power switch



Architect's & Engineer's Specifications

CREST AUDIO® IPA™-4250

The Power Amplifier shall be a four-channel audio power amplifier delivering 250 watts per channel via Class D topology. Each output channel shall be individually configurable for low-impedance, 25V, 70V or 100V constant voltage operation. The Power Amplifier shall provide a means by which it is connected quickly and easily to the Crest Audio PZS™-8250 Powered Zone Mixer Amplifier via a single cable connection to provide outputs 5 – 8 from the PZS-8250 as direct inputs to channels 1 - 4 on the Power Amplifier. The Power Amplifier shall also be capable of accepting individual analog inputs via electronically balanced mic/line inputs and Euro-style connectors on each channel. Each amplifier channel shall provide loudspeaker protection and a high-pass filter. The Power Amplifier shall be housed in a 2U rack-mountable chassis and provide for 120V or 240VAC operation. The Power Amplifier shall be the Crest Audio IPA-4250 Power Amplifier.

