



PA-2 amplifier cards allow AudiaFLEX to directly power 4, 6, or 8 ohm speakers. The output power is software configurable from 5 to 30 watts dual-channel and from 10 to 60 watts mono-bridged. An upgraded AudiaFLEX power supply provides a total of 120 watts of power, for up to twelve PA-2 cards.

FEATURES

- integrates seamlessly into AudiaFLEX
- each card provides two amplifier channels
- each card can be configured for mono-bridge
- selectable power output ratings
- manual or automatic load impedance selection
- load and thermal fault monitoring
- invert function allows 180° signal polarity reversal
- selectable clip-limiter function
- peak output indicator
- **RoHS** compliance and **AES** grounding practices
- covered by Biamp Systems' five-year warranty

Audia® PA-2 Card SPECIFICATIONS

Output Power (selectable @ 8, 6, or 4 ohms):	2 x 5 watts 2 x 10 watts 2 x 20 watts 2 x 30 watts 1 x 10 watts 1 x 20 watts 1 x 30 watts 1 x 40 watts 1 x 60 watts	Frequency Response (20Hz / 20kHz):	individual channel 8 ohm -0.25dB / +1dB 6 ohm -0.25dB / +0.25dB 4 ohm -0.25dB / -1.5dB mono-bridged 8 ohm -0.25dB / +2.2dB 6 ohm -0.25dB / +1.8dB 4 ohm -0.25dB / +0.9dB
THD+N (20Hz~20kHz @ +4dBu):	< 0.35%	Compliance:	AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive
Signal-to-Noise:	> 89dB		
Crosstalk (at 1kHz):	< -70dB		



ARCHITECTS & ENGINEERS SPECIFICATION

The power amplifier card shall be a two-channel card for AudiaFLEX hardware. Each card shall provide two balanced speaker outputs on a plug-in barrier strip connector. Software adjustments of individual outputs shall include: mute, gain, signal invert, clip-limit. Configurable two-channel power ratings shall be 2x5 watts, 2x10 watts, 2x20 watts, 2x30 watts into 8, 6, or 4 ohms. Configurable mono-bridge power rating shall be 1x10 watts, 1x20 watts, 1x40 watts, and 1x60 watts into 8, 6, or 4 ohms. Performance specifications shall be: THD+N <0.35% (20Hz~20kHz); signal-to-noise >89dB; crosstalk <-70dB at 1kHz. The power amplifier shall have load and thermal fault protection. Up to twelve power amplifier cards may be installed into a single AudiaFLEX unit. The power amplifier card shall incorporate AES48-2005 Grounding & EMC practices, and shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

The power amplifier card shall be a PA-2 Card for AudiaFLEX.