

ALLDSP

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INNOVATIVE
AUDIO SOLUTIONS

The SMA-4P0808 is a powerful System Amplifier with four analog inputs, two AES3 inputs, two Dante inputs, four outputs (4x800W @ 4 Ohms), 10 PEQ bands per input and output and a frequency range up to 40kHz. The rugged analog input stage accepts input voltages of up to +23dBu thus matching any source on the market today, with an excellent dynamic range of 118dB. Using a switch-mode power supply for clean power supply rails and superior ruggedness, 64-bit digital processing and some of the best converters available on the market today, the SMA-4P0808 offers sound quality that sets standards in professional as well as high-end home audio.

Controlled via the front panel or via the remote control application, the DSP settings and coefficients are calculated on-the-fly at the moment of changing the parameters. Frequencies can be set with 1Hz accuracy, delays with 10 microseconds accuracy, and gains with 0.01dB accuracy. When editing values via the front panel, some values are limited in granularity; e.g. gain is set via 0.25dB steps in this case.

FEATURES

- 4x800W output power @ 4 ohms, 4x500W output power @ 8 ohms
- 2 DANTE inputs
- 118dB dynamic range (inputs) / 114dB dynamic range (outputs)
- Electronically balanced inputs
- Matched-impedance outputs
- Frequency range 20Hz....40kHz
- 10 parametric filters per input and output
- EQs can be set as Bell, High Shelf, Low Shelf, Notch, Allpass, Band Pass, High Pass, Low Pass
- 2000ms delay per input, 2000ms delay per output
- Butterworth, Bessel, Linkwitz-Riley filters up to 24dB / oct.
- True RMS Compressor
- Zero Attack Peak Limiter
- Latency 660 microseconds
- Full configuration and real-time monitoring via PC, MAC, iPad or iPhone
- 100 Presets
- 64 bits multi-mode digital processing
- Loudspeaker Library support