Tips and tricks

Version 1.1 May 15, 2007

DSP Design procedure

- Since filter design in the amplifier's DSP is not a real time process, use a rack mount DSP speaker processor to dial in settings in real time, then transfer those settings to the amplifier DSP. Omnidrive, XTA and Beringer DCX2496 are good for this.
- Use only parametric eq, not shelving filters. These translate more accurately.

Cabinet mounting.

- Use #8 insert nuts and screws with flat washers.
- Apply the gaskets to the cabinet, not the amplifier
- Leave the back of the amplifier open to the inside of the cabinet. Do not put into a sub enclosure.
- Locate the amplifier near the port. Do not cover the amplifier with fiberglas.

Assembly and test

- Since the protection circuits in the amplifier module are not as robust as in a standalone amplifier, we recommend pretesting the cabinet with a rack mount amp before installing the amplifier module. This catches miswirings, reverse polarity, and bad drivers.

- Polarity testers are frequently fooled by active crossovers with high slopes. Test your wiring and drivers for correct polarity with a flat input signal at low level.