A-306 Solid State Balanced Power Amplifier

The Cary Audio Design A 306 amplifier is a blend of digital computer technology and pure analog discrete circuitry. Incorporated within the Cary Audio A 306 digital amplifier, are a pair of ICE power, 1000 watt power conversion modules. The modules are true balanced class D switching mode amplifiers.

The analog input signal interring the A 306 starts off with a fully balanced input stage powered by a separate regulated balanced 15 volt DC supply. This first input stage consists of solid state devices utilizing both FET, N channel transistor inputs, and low impedance push-pull bipolar output devices in a Class A biased circuit. The input stage drives the amplifier modules. This input stage truly sets up the final analog output tonal balance and the sonic signature of the A 306 amplifier.

Operating switching Class D amplifiers generates unwanted high frequency noise. In fact, these frequencies, if not harnessed can interfere with radio and TV stations. In the A 306 great care and engineering has been incorporated to meet or exceed standardized EMI limits. Dual copper and aluminum shielding is utilized internally to eliminate RF loops and radiation. These shields separate the dual power supplies and twin ICE power modules. AC power input conditioning is incorporated as well. The entire amplifier is built from precession machined aluminum. All PC boards are multi sided plated through G-10 glass. A special note of interest is the front panel power on display. This display is made from cut crystal glass engraved with the Cary Audio Design logo. Lighting the display is accomplished with back lighted blue LED's.

The sonic merits of Cary Audio Design A 306 offer the music lover the ultimate in realistic "they are here" music performance.

October 12, 2006