



Direct Input Amplifier

The fully remote Acurus DIA 150 revolutionizes amplification. It improves sound quality through simplification, thereby reducing the cost of high end audio. The remote operates volume, balance, mute and input selection.

DIA stands for Direct Input Amplifier. It allows the sources, such as CD, to be connected directly to the power amplifier. In the DIA concept, there is no pre-amplifier. By eliminating the need to pass the source's signal through a preamplifier's gain stages, we maintain the integrity of the original signal, while eliminating the cost of additional circuitry.

Most power amplifiers need between one and two volts input to be driven to full power. Although a CD test disc is capable of 2 volts output, the typical CD allows for only a fraction of this voltage. To allow the DIA to be driven to full power with a typical CD, High Sensitivity Amplification was

used to make the amplifier 6 to 10 times more sensitive. A Passive Control Section is then applied to High Sensitivity Amplification.

The amplifier's input is carefully tuned to the Passive Control Section, and the internal wiring between them. In addition, a separate internal chassis encloses the Passive Control Section, thereby protecting the inputs from noise generated by the amplifier's power supply. This feature is important because, as sensitivity is increased, so is noise and distortion.

With the DIA we've succeeded in reducing the amount of active circuitry necessary in the audio chain. The massive transformer enables the DIA to effortlessly drive low impedance loudspeakers. High Sensitivity Amplification requires only a single gain-block between the source and the speakers. It is closer to the Holy Grail of audio, "a straight wire with gain", than anything else available.

Specifications

Rated Power: 150 watts per channel continuous, both channels driven into 8 Ohms, 20 Hz to 20,000 Hz at no more than 0.09% THD.

200 watts per channel continuous, both channels driven into 4 Ohms, 20 Hz to 20,000 Hz.

Signal to Noise Ratio:
100 dB, A weighted

Input Impedance:
10k Ohms

Input Sensitivity:
200 millivolts for full output

Tape Outputs: 2

Source Inputs: 6

17" x 5" x 14"
35 lbs.