

GS150

Stereo Amplifier



An amplifier is the workhorse of any system – it is responsible for receiving small signals from a preamplifier or source component, and developing them into larger currents to control a loudspeaker. To that end, the GS150 has been designed to seamlessly integrate into any system and steadfastly perform its task. Challenging source material and difficult speaker loads are met with control and finesse to present a musical landscape of breathtaking proportions. The GS150 stereo amplifier offers a level of performance only matched by its looks. Chosen as Product of the Year 2015 by Tone Audio magazine, the GS150 is an instant classic.

Three meters across the front panel provide a window into the operation of the amplifier and give the amplifier a striking façade. The selection of premium parts internally is reflected in the beautiful metalwork of the chassis and exquisite finishes. The circuit is design features the new KT150 power output tubes for 150 watts of effortless power delivery. A reflection of the past yet clearly a guiding light into the future of music reproduction, the GS150 is poised to deliver years of musical enjoyment.

The GS150 continues Audio Research's tradition of simple, clean design and function. Two large knobs on the front panel switch from operate to bias, with the bias adjusters located on the side of the unit, just behind the front panel. The back panel has balanced XLR input connectors, and offers 4- and 8-ohm taps for speaker connectivity. An RS-232 control allows integration to an automated control system. An LCD hour meter provides accurate usage time to gauge tube replacement intervals.



Specifications

Power Output 155 watts per channel continuous from 20Hz to 20kHz. 1kHz total harmonic distortion typically 0.6% at 155 watts, below 0.03% at 1 watt. Approximate actual power available at 'clipping' 160 watts (1kHz). (Note that actual power output is dependent upon both line voltage and 'condition' i. e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

Power Bandwidth (-3dB points) 5Hz to 80kHz.

Frequency Response (-3dB points at 1 watt) 0.5Hz to 120 kHz.

Input Sensitivity 2.0V RMS BAL for rated output. (24 dB Bal gain into 8 ohms.)

Input Impedance 300K ohms Balanced.

Output Polarity Non-inverting. Balanced input pin 2+ (IEC-268).

Output Taps 8 ohms, 4 ohms.

Overall Negative Feedback 14dB.

Slew Rate 13 volts/microsecond.

Rise Time 2.0 microseconds.

Hum & Noise Less than 0.1mV RMS - 114dB below rated output (IHF weighted, input shorted).

Controls Rotary selector for tube bias, Power on/off, fan speed, auto shut-off on/defeat, RS232, 12V trigger

Power Supply Energy Storage Approximately 1040 joules.

Power Requirements 105-125VAC 60Hz (210-250VAC 50Hz) 730 watts at rated output, 900 watts maximum, 420 watts idle.

Tubes Required 4 - Matched pair KT150 - Power Output; 4 - 6H30 Driver.

Dimensions

width	19" (483 mm)
height	9 7/8" (251 mm)
depth	22 1/2" (572 mm)

Weight 87 lbs. (39.5 kg)