

Progression Stereo Amplifier



The Progression Stereo Amplifier extends the Progression family with a potent stereo amplifier. Leveraging our innovative Super Rail circuitry, first unveiled in the Progression Mono, the Progression Stereo amplifier exploits this unique technology delivering remarkable control and fidelity to any connected loudspeaker.

Every amplifier employs a voltage rail, actually two, a positive one and its companion negative partner. Voltage rails support the delivery of power to the speaker. The music signal swings between these two rails but due to natural loss, the musical signal never reaches the output rails' full capability. Our Super Rail overcomes this limitation. Borrowing the idea of a turbo in a car engine, the Super Rail employs higher voltage rails in the sections prior to the output stage. This voltage "boost" allows the musical signal to exploit the full capability of the output voltage rails. Extending the musical signal swing closer to the output rails maximizes the performance of the output circuitry design itself. The result is improved dynamics, lower distortion, and a fierce grip of the speaker.

Abundant power is required for realistic sound quality and is a cornerstone of Dan D'Agostino Master Audio Systems' amplifier design. The Progression Stereo continues this practice. A graceful anodized Aluminum chassis houses a nearly 3,000 VA power supply transformer coupled to 400,000 microfarads of power supply storage capacitance. Paired to this foundation is a fully complementary driver stage, and output circuitry outfitted with 48 power transistors - 24 each for the left and right channels generating an imposing output. The Progression Stereo is conservatively rated at 300 Watts into 8 Ohms and delivers 600 Watts into 4 Ohms, and properly doubles its output again into 2 Ohms, with a 1,200 Watt power output. The essence of live music, dynamic contrasts, are faithfully reproduced with leading edge transients spectacularly depicted.

Inspired by the elegant faces of classic Swiss watches, the Progression Stereo is fronted by an exposed movement power meter. Featuring two 90-degree needle swing arms, a high-speed ballistic circuit enhances the meter's responsiveness. Longer swing arms improve readability across the amplifier's entire output range.

The venturi style heatsink design, premiered in the Momentum amplifiers, has been adapted to the cooling needs of the Progression Stereo amplifier. Starting with a 48.5-pound (22-kilogram) aluminum slab, each heatsink is milled to form the most efficient cooling element possible. Startling considering its power output, the Progression Stereo amplifier runs surprisingly cool due to its innovative heatsink design. Standard finishes include silver and black with custom painted finishes available on request.

Combining innovative circuitry and significant power, the Progression Stereo amplifier provides loudspeakers the control element they need to achieve their full design expression.



PRELIMINARY SPECIFICATIONS

Finish	: Silver
	: Black
	: Custom finishes Available Upon Request
Power	: 300 watts @ 8Ω
	: 600 watts @ 4Ω
	: 1,200 watts @ 2Ω
Frequency Response	: 1 Hz to 200 kHz, -1 dB
	: 20Hz to 20 kHz, ±0.1 dB
Distortion	: 300 watts @ 8Ω
	: 0.15% @ 1 kHz
Signal-to-noise Ratio	: 105 dB, unweighted
Inputs	: 2 balanced XLR
Input Impedance	: 100 KΩ
Output Impedance	: 0.15Ω
Dimensions	: 18 x 20 x 7.5 in
	: 45.7 x 50.8 x 19 cm
Weight	: 125 lbs.
	: 57 kg

