

World Series Professional Power Amplifier



The Stewart Audio World 2.1 Professional Power Amplifier is designed specifically for the unique requirements of high quality commercial, industrial and Pro Audio sound installations. The World 2.1 produces sound which is smooth and uncolored, while offering a full detailed low end response with lots of horsepower. The high-frequency switch mode power supply and Class H amplifier design adapt to the demands placed upon them, enabling the amplifier to run with maximum efficiency regardless of the load impedance. With incredible efficiency, up to 4 World 2.1's can typically run on one standard 20 amp circuit. Weighing in at just 17 lbs and occupying two standard rack spaces, the World 2.1 is the perfect balance of power and sonic performance.

World 2.1

650W x 2 @ 4 Ohms
400W x 2 @ 8 Ohms
1800W x 1 @ 4 Ohms bridged
1300W x 1 @ 8 Ohms bridged

Features:

- Two channel amplifier, optimized to drive 4 Ohm and 8 Ohm loads.
- Variable speed fan
- Clean full-range dynamic power
- Bridgeable
- Ultra efficient switch mode power supply
- 3 Years parts and labor warranty
- Made in the USA

Applications:

- Sound Reinforcement
- Pre/Post Productions
- Music and Paging Systems
- High Quality Distributed Sound Systems
- Fixed Installations
- Instrument Rigs
- UL Certification

STEWART AUDIO
The Difference is Hear



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Specifications

Output Power	650W x 2 @ 4 Ohms 400W x 2 @ 8 Ohms 1800 x 1 @ 4 Ohms bridged 1300W x 1 @ 8 Ohms bridged
Frequency Response (+0, -0.5 dB, 1W)	20 Hz—20 kHz
Signal to Noise Ratio (SNR)	>100dB
THD+N	<0.1%
Damping Factor	>500
Slew Rate	30V/microsecond
Input Sensitivity	1V (0 dBV)
Standard Voltage Gain	66X (+36.4dB)
Input impedance (Balanced / Unbalanced)	20k Ohms/10k Ohms
Idle Current Draw SW On & 1/8 power draw	.72/4.7 Amps
Class	H
Input Connectors	Rear Panel 3 pin XLR, 1/4 Phone, Barrier Strip
Output Connectors	Rear Panel 6 gauge, 5-Way binding post
Power Supply	High speed switching
Cooling	Variable speed fan
Controls	Power on/off, channel gain
LED Indicators	Power, Signal present, -3dB & clip
Construction	Aluminum chassis & cover
Dimensions (height, width, depth)	8.9" x 19" x 15.3"
Weight	17 lbs (7.7 kg)
Warranty	3 years

Architects & Engineering Specifications

The power amplifier shall consist of 2 channels. Model World 2.1 shall deliver a minimum of 400W at 8 Ohms, both channels driven, 20 Hz—20 kHz, < .1% THD. The amplifier shall be fan cooled. The amplifier shall have circuitry to protect itself and the speaker loads from output short circuits, DC voltage on the outputs, and thermal overload. The amplifier shall have a voltage gain of 40X (32dB) and an input Sensitivity of 1V for rated power at 4 Ohms output. The hum and noise level shall be greater than 100 dB below rated output "A" weighted. The amplifier shall have a class H output stage and a high-speed Switch Mode Power Supply. Non Switch Mode Power Supplies will not be accepted. The frequency response shall be greater

than 15 Hz to 45 kHz +0, - 3dB at rated power. The amplifier shall operate on 120VAC. The front panel shall contain, for each channel, a knob adjust, detented level control, LED indicators for -20 dB signal present, -3dB, Clip, and Power. The power switch shall be a power supply enable switch. The Rear panel shall contain a captive AC line cord. The rear panel input terminals shall be both 3 pin XLR, 1/4" Phone and Barrier Strip. The amplifier dimensions shall be 19" (48.3 cm) wide, 3.5" (8.9 cm) high, and 15.3" (38.9) deep. The World 2.1 shall weigh 17 lbs (7.7 kg). The amplifier shall be designated the Stewart Audio Model World 2.1