



World Series Power Amplifiers

W 600

Professional Power Amplifiers

World 600 Power Specifications:

190W x 2 @ 4 Ohms
110W x 2 @ 8 Ohms
600W x 1 @ 4 Ohms bridged
400W x 1 @ 8 Ohms bridged



Features:

- Two Channel Amplifier, optimized to drive 4 Ohm and 8 Ohm loads.
- Convection Cooled (No Fans)
- Clean Full-Range Dynamic Power
- World Class Reliability
- Bridgeable
- Ultra Efficient Switch Mode Power Supply
- 3 Years Parts and Labor Warranty

Applications:

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

Product Description:

The Stewart Audio World 600 Professional Power Amplifier is designed specifically for the unique requirements of high quality commercial, industrial and Pro Audio sound installations.

The World 600 was specifically designed to meet the rigorous requirements of exceptional Sonic Accuracy, High Efficiency, Low Power consumption and the ability to handle extended duty cycles.

The Stewart Audio World 600 Power Amplifier is manufactured to ISO 9002 standards.

World 600 Power Amplifier

Architect's & Engineering Specifications

The World 600 power amplifier shall consist of 2 channels. It shall deliver a minimum of 110W at 8 Ohms and, both channels driven, 20 Hz—20 kHz, < .1% THD.

The amplifier shall be convection cooled with no fan required. Amplifiers using fan cooling will not be accepted. 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 40 X (32dB), and an input Sensitivity of 1V for rated power at 4 Ohms output. The hum and noise level shall be >100 dB below rated output "A" weighted. The amplifier shall have a class AB 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, - 3 dB at rated power. The amplifier shall operate on 120VAC. The front panel shall contain, for each channel, a knob adjusted, detented level control, LED indicators for -20 dB signal present, 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" TRS. The amplifier dimensions shall be 19" (48.3 cm) wide, 1.75" (4.6 cm) high, and 15.3" (38.9) deep. The World 600 shall weigh 10 lbs (4.5 kg). The amplifier shall be designated the Stewart Audio Model World 600.

SPECIFICATIONS

Output Power (1 kHz, 0.1% THD)	110 W x 2 @ 8 Ohms 190 W x 2 @ 4 Ohms 400 W x 1 @ 8 Ohms Bridged
Frequency Response (+0, -0.5 dB, 1W)	20 Hz—20 kHz
Power Bandwidth (+0, -3 dB)	15 Hz—45 kHz
THD+N	>100dB
Damping Factor	>500
Slew Rate	30V/microsecond
Input Sensitivity	1V (0 dBV)
Standard Voltage Gain	40X (32dB)
Input impedance (Balanced / Unbalanced)	20k Ohms / 10k Ohms
Class	AB
Input Connectors	Rear Panel 3 pin XLR, 1/4" TRS
Output Connectors	Rear Panel 6 Gauge, 5-Way Binding Post, 1/4" TRS
Power Supply	High Speed Switching
Cooling	Convection—Cooling (No Fans)Power
Controls	on/off, Channel Gain
LED Indicators	Power, Signal present & Clip
Construction	Steel & Aluminum Chassis
Dimensions (height, width, depth)	1.75" x 19" x 15.3" 4.6 cm x 48.3 cm x 38.9 cm
Weight	10 lbs (4.5 kg)
Warranty	3 years



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