

# World Series Professional Power Amplifier



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 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 AB 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 5 World 600's can typically run on one standard 20 amp circuit. Weighing in just 10 lbs and occupying one standard rack space, the World 600 balances power and sonic performance in a compact package.

## World 600

190W x 2 @ 4 Ohms

110W x 2 @ 8 Ohms

500W x 1 @ 4 Ohms bridged

350W 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
- Lightweight single rack package
- 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
- Amplifier located in listening environment
- UL Certification

**STEWART AUDIO**  
The Difference is Hear



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## Specifications

Output Power -----	■ 190 W x 2 @ 4 Ohms
-----	■ 110 W x 2 @ 8 Ohms
-----	■ 500 W x 1 @ 4 Ohms Bridged
-----	■ 350 W 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 -----	■ 40X (32dB)
Input impedance (Balanced / Unbalanced) -----	■ 20k Ohms / 10k Ohms
Idle Current Draw SW On & 1/8 power draw -----	■ .24/2 Amps
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)
Controls -----	■ Power 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"
Weight -----	■ 10 lbs (4.5 kg)
Warranty -----	■ 3 years

### Architects & 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.