



The AXIOM 500 & AXIOM 500-OTL

1.5 Input Channel Mixer Amplifier: 500 Watts of Continuous RMS Power
 AX500 • AX500-OTL

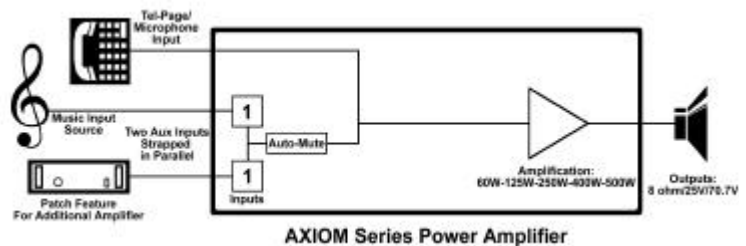
Living up to it's name, the **AXIOM 500 & AXIOM 500-OTL** provides the solid foundation in which to build an exceptional, long lasting sound system. Both units are high fidelity commercial audio amplifiers that pump 500 watts of continuous RMS power. The **AXIOM 500** includes an isolation output transformer that allows for 8 ohm, 25V, 70.7V, or 100V operation. The **AXIOM 500-OTL (Output Transformer Less)** reduces overall cost and allows for straight 70.7V operation.

Engineered for all-in-one telephone paging solutions, the **AXIOM 500 & AXIOM 500-OTL** includes a balanced 600 ohm/ Tel-Page input (with a tamper resistant volume control) that is capable of muting two aux inputs (defeatable), which are strapped in parallel. It's packed with safeguards to ensure long-life, including: short circuit, peak overload, current limiting, thermal runaway, and output relay (no more "pop" when turned on). Plus, with over a half-century of experience in the industry, **Grommes-Precision** backs these units with its unbeatable expertise and Assurance Program: a 5 year warranty and 30 day money back guarantee.

FEATURES

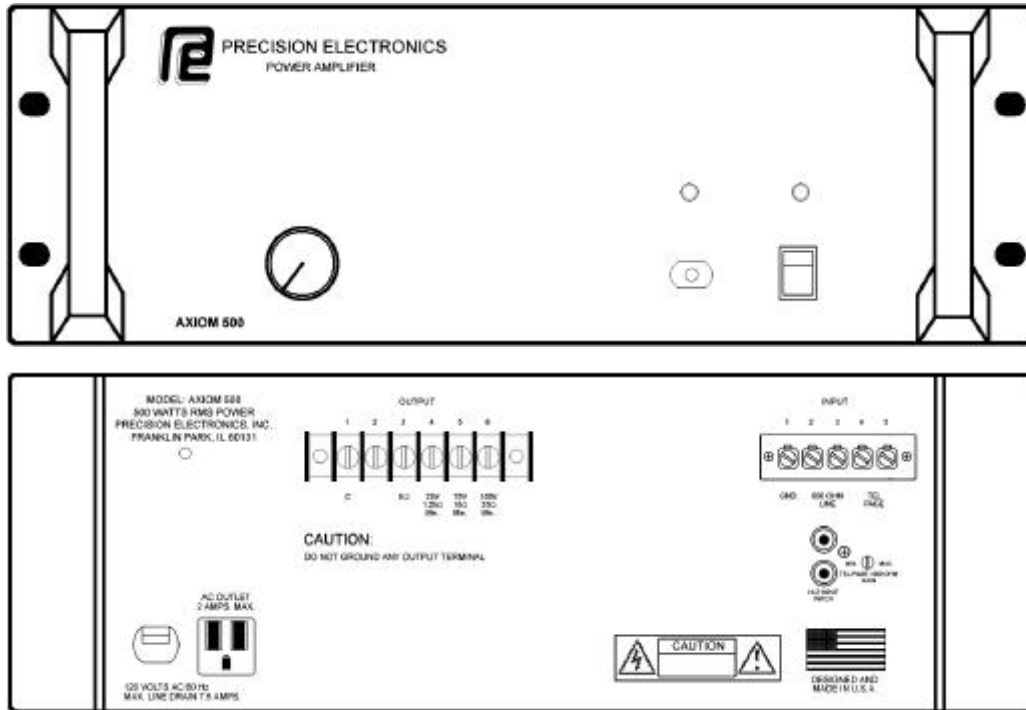
- Independent 600 ohm/Tel-Page Input
- Automatic Voice Activated Hi-Z Muting (Defeatable)
- Built Tough: Multiple Protections Including Relay, Short Circuit, & A/C Circuit Breaker
- Heavy Duty Power Supply Designed for Continuous Operation
- AXIOM 500 includes 25V, 70.7, & 100V Built-in Output Toroidal Transformer which reduces weight and noise. AXIOM 500-OTL (Output Transformer Less) reduces overall cost and allows for straight 70.7V operation.
- Rack Mount Standard
- Convection Cooled—Reliable "No Maintenance" Design
- 5 Year Warranty & 30 Day Money Back Guarantee

	AXIOM 500 / AXIOM 500-OTL
POWER OUTPUT RMS	500W
MIXING CHANNELS	1.5
DISTORTION @RPO	≤0.3%
OUTPUTS	4-8 ohm / 25V-70.7V LINE (AX500) 70.7 ONLY (AX500-OTL)
FREQUENCY RESPONSE	+/-3dB 20-20kHz / +/-2dB 20-20kHz +/-2dB 50-15kHz / +/-1dB 50-15kHz
INPUTS	2-AUX IN PARALLEL; 1-600 ohm/TEL-PAGE
RACK UNITS	3U
DIMENSIONS	19"Wx5.25"Hx13.5"D
WEIGHT	43 / 34LBS





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AXIOM 500 (AXIOM 500-OTL not shown)

AXIOM 500 & AXIOM 500-OTL Architects Specifications

The power amplifier shall be a Grommes~Precision Electronics, Inc. model AXIOM 500/AXIOM 500-OTL. The AXIOM 500 power amplifier shall provide 500 watts of continuous, monaural RMS power into a 8 ohm, 25V, 70.7V, and 100V lines. The 8 ohm, 25V, 70.7V, and 100V output shall be supplied through a fully isolated output transformer. The Axiom 500-OTL (output transformerless) shall provide 500 watts of continuous monaural RMS power into a direct coupled 70.7V lines. Total harmonic distortion at rated output shall be less than or equal to 0.3%. The frequency response for the Axiom 500 output shall be 50Hz-15kHz. The frequency response for the Axiom 500-OTL output shall be 20Hz-20kHz \pm 2dB.

The inputs shall be: a Tel-Page, a 600 ohm, and two Hi-Z RCA inputs, strapped in parallel.

The input sensitivity required to receive full rated output shall be: Tel-Page - 77mV, 600 ohm - 250mV, and Hi-Z - 250mV. The input impedance shall be Tel-Page - 600 ohm, 600 ohm - 600 ohm, and Hi-Z - 10K ohm.

The front panel shall include a power indicator, power switch, peak level indicator, circuit breaker reset, and gain control. The amplifier shall be rack mounted as standard.

The back panel shall include screw terminals for both the Tel-Page and 600

ohm inputs, phono (RCA connectors) for both Hi-Z inputs. Output connectors shall be screw barrier strip.

A 2-ampere convenience outlet shall also be on the back panel. The power amplifier shall be available in either 120VAC 60Hz or 240 VAC 50Hz versions (add DV to the model). Maximum power consumption of the unit shall be 900W.

The unit shall measure 19"W x 5.25"H x 13.5"D (48.2cm x 13.2cm x 34.3cm). The Axiom 500 shall weigh 43 lbs (23.6 kg). The Axiom 500-OTL shall weigh 34 lbs. The unit shall include a full 5 year warranty be designed and manufactured in the United States of America.



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