



# Grommes~Precision Precision Electronics



DESIGNED AND  
MADE IN U.S.A.

## The AXIOM 500G & AXIOM 500G-OTL

1.5 Input\* Channel Mixer Amplifier: 500 Watts of Continuous *Industrial* RMS Power

Living up to it's name, the **AXIOM 500G & AXIOM 500G-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 out 500 watts of continuous RMS power. The **AXIOM 500G** includes an isolation output transformer that allows for 8 ohm, 25V, 70.7V, or 100V operation. The **AXIOM 500G-OTL (Output Transformer-Less)** reduces overall cost and allows for straight 70.7V operation.

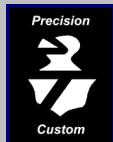
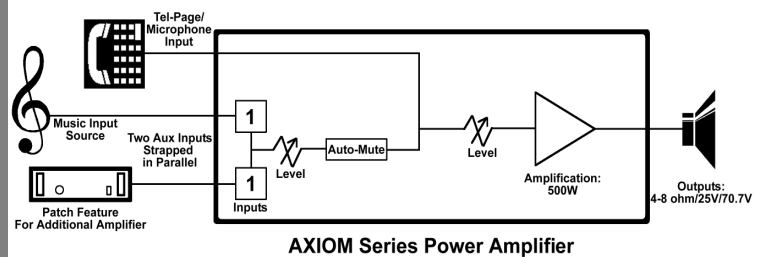
Engineered for all-in-one telephone paging solutions, the **AXIOM 500G & AXIOM 500G-OTL** includes a balanced 600 ohm/Tel-Page input (with a tamper resistant volume control) that is capable of muting (defeatable) two aux inputs, which are strapped in parallel. It's packed with safeguards to ensure long-life, including: short circuit current limiting, peak overload, thermal runaway, and output relay.

Plus, with over a half-century of experience in the industry, **Grommes~Precision** backs these units with its unbeatable expertise and Assurance Program: a 7 year warranty and 30 day money back guarantee.

### FEATURES

- Commercial *Industrial* Grade
- Independent 600 ohm/Tel-Page Input\*
- Automatic Voice Activated Hi-Z Muting (Defeatable)
- Built Tough: Multiple Protections Including Relay, Current Limit, Short Circuit, & A/C Circuit Breaker
- Heavy Duty Power Supply Designed for Continuous Operation
- 25V, 70.7 & 100 V Built-in Output Isolation Transformer (Axiom 500G).
- Rack Mount Standard
- Convection Cooled—Reliable “No Maintenance” Design
- 7 Year Warranty & 30 Day Money Back Guarantee

	AX 500G / AX 500G-OTL
POWER OUTPUT RMS	500W
MIXING CHANNELS	1.5*
DISTORTION @RPO	≤0.1%
OUTPUTS	4ohm, 25V, 70.7V, & 100V LINE (AX500G) 70.7V LINE ONLY (AX500G-OTL)
FREQUENCY RESPONSE DIRECT	+/-3dB 20-20kHz / +/-2dB 20-20kHz
LINE	+/-2dB 50-15kHz / +/-1dB 50-15kHz
INPUTS	2-AUX IN PARALLEL; 1-600 ohm/TEL-PAGE
RACK UNITS	2U
DIMENSIONS / WEIGHT	19"Wx3.5"Hx11"D / 23 / 17LBS (OTL)



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847-599-1799 · 800-SINCE-46 · FAX: 847-599-6178

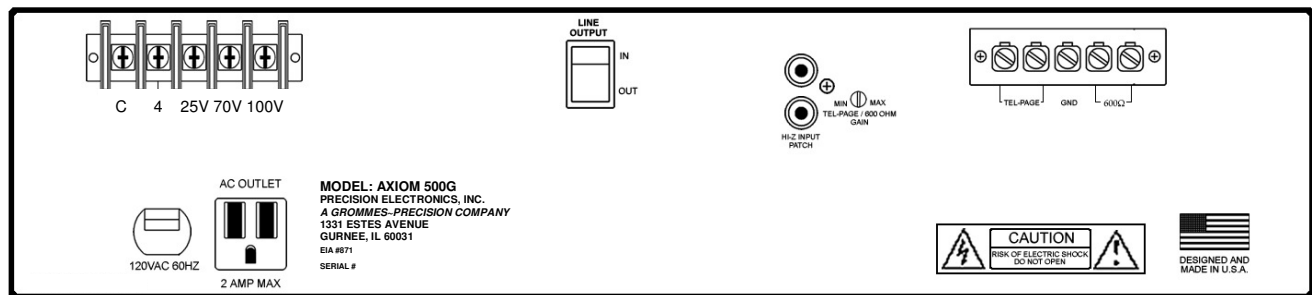
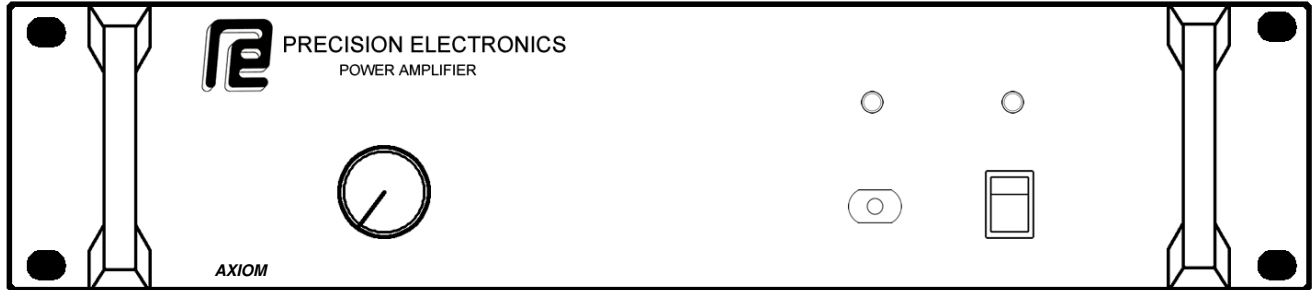
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[www.grommesprecision.com](http://www.grommesprecision.com)

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AXIOM 500G shown

## AXIOM 500G & AXIOM 500G-OTL Architects Specifications

The power amplifier shall be a Grommes~Precision Electronics, Inc. model AXIOM 500G/AXIOM 500G-OTL. The AXIOM 500 power amplifier shall provide 500 watts of continuous, monaural RMS power into a 4 ohm, 25V, 70.7V, and 100V lines. The 4 ohm, 25V, 70.7V, and 100V output shall be supplied through a fully isolated output transformer. The Axiom 500G-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 0.1%. 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 unit). Maximum power consumption of the unit shall be 650W.

The unit shall measure 19"W x 3.5"H x 11"D (48.2cm x 8.8cm x 27.9cm). The Axiom 500G shall weigh 23 lbs (10.4 kg). The Axiom 500G-OTL shall weigh 17 (7.7kg) lbs. The unit shall include a full 7 year warranty be designed and manufactured in the United States of America.



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