

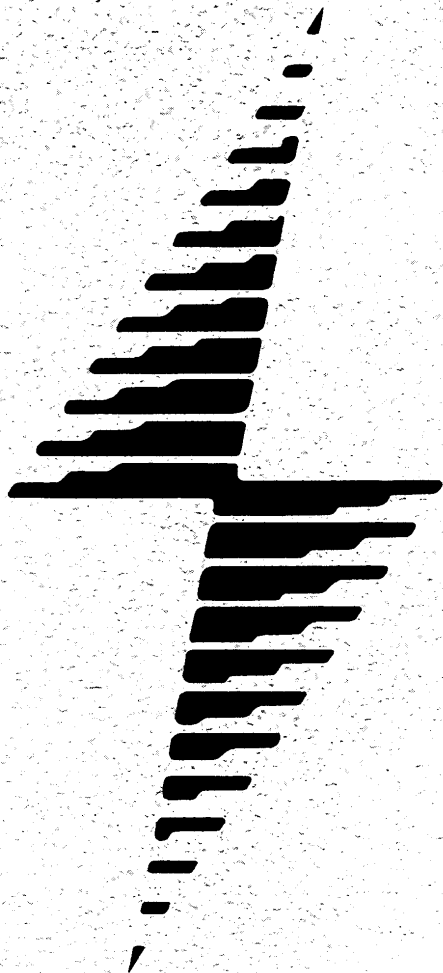
LIMITED WARRANTY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Precision Power Inc., (PPI) warrants amplifiers and accessories to be free from defects in materials and workmanship under normal use and service for a period of two years from date of original purchase. The extent and conditions of PPI's Limited Warranty are as follows:

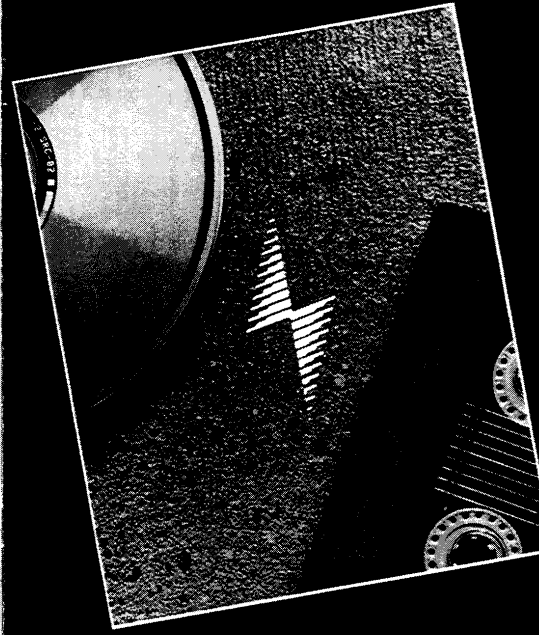
1. PPI warrants that it will either repair or replace at no charge, any unit which PPI's examination discloses to be defective and under warranty, provided the defect occurs within two years from the date of purchase, and the product is returned immediately to PPI.
2. The date of purchase of a PPI Amplifier and/or Accessory must be established by an original sales receipt which must accompany the article being returned for warranty work.
3. The provisions of this warranty shall not apply to any PPI unit used for a purpose for which it is not designed, which has been repaired or altered in any way, or which has been connected, installed, or adjusted other than in accordance with the instructions furnished in PPI's owner's manual. Nor shall this warranty apply to any part which has been subject to misuse, neglect, or accident.
4. PPI does not authorize any other person to assume any other liability in connection with its products. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY MADE BY PPI APPLICABLE TO ITS PRODUCTS. ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO PPI'S AMPLIFIERS AND/OR ACCESSORIES IS LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. PPI SHALL NOT BE LIABLE FOR THE INCIDENTAL, CONSEQUENTIAL, OR COMMERCIAL DAMAGES RESULTING FROM THE BREACH OF THIS WRITTEN WARRANTY. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
5. Your unit will be serviced on an in-warranty basis within the warranty period for the correction of warranted defects. Do not return the article to your dealer. Return the article including your name, telephone number, and return address with the description of the problem to:

Precision Power
Warranty Department
7901 East Pierce Street
Scottsdale, AZ 85257

RETURN ARTICLES OUT OF WARRANTY. Return the article, postage paid, in the original protective carton. Include in the package a description of the problem and, if desired, a request for an estimate of air costs. Unless a request for an estimate is included, the unit will be repaired as necessary. Fifty Dollars (\$50.00) (labor), plus parts will be charged for all product repairs. The repaired unit will be returned to the owner with an itemized statement C.O.D.



Precision
Power



PPI EQM ▲ 300



Congratulations on your selection of Precision Power high performance mobile audio products. For the best results and the utmost satisfaction, please read the accompanying manual thoroughly before installation and retain it for future reference.

CAUTION—Use of a high power stereo system may cause hearing loss or damage.

CAUTION—Use of a high power stereo system may impair the ability to hear necessary traffic sounds and thus may constitute a traffic hazard. PPI advises use of audio components at low volume levels while driving.

SPECIFICATIONS

Input Range:	0.1 – 5.0 Vrms
THD:	< 0.008% (1 kHz, 1 Vrms)
Signal-to-Noise-Ratio:	> 102 dBV
Output Gain:	+ 10 dB
Frequency Response: (± 1 dB relative departure from EQ curve)	10 Hz – 100 kHz
Input Impedance:	10 k Ohms
Maximum Output: (10 k Ohm load)	8.0 Vrms
Equalization Curves:	+ 10 dB @ 50 Hz – 6 dB @ 160 Hz
Power Requirements: (via DIN connector)	± 15 volts, 15 mA
Dimensions:	1.2" H x 3.7" W x 3.0" D

FEATURES

- Ultra-Wide Bandwidth Circuitry
- Three Outputs
- Gold RCA Input Connectors
- Preprogrammed Equalization
- Phantom Powered
- 100% Solid State
- LED Power Indicator
- Two Year Warranty
- Manufactured in the USA

To best take advantage of the EQM-300, please read the following instructions before beginning. If you encounter difficulties during or after installation and are unable to resolve the problem, contact your dealer or call Precision Power for further assistance.

INTRODUCTION

The EQM-300 is an active gain preamplifier with built-in equalization designed to compensate for acoustic response problems encountered in single amp full-range systems. With the EQM-300 it is possible to re-create much of the musical impact often associated with state-of-the-art bi-amp systems without the increased expense of a second amplifier or an electronic crossover.

The active gain stage of the EQM-300 provides a 10 dB boost across the entire audio spectrum. This gain stage will boost the signal from a tuner/deck with insufficient output (less than 300 mV) to drive PPI amplifiers to full power.

For maximum noise rejection and performance, the EQM-300 should be mounted close to the source unit. This will minimize the distance the low-level signal must travel.

CONNECTIONS

Inputs—DIN and RCA inputs allow maximum system design flexibility. Simply connect an RCA patch cord from the source unit to the RCA inputs of the EQM-300, or use a 5-PIN DIN cable to connect from the PPI preamp DIN output to the DIN input of the EQM-300.

Outputs—Three DIN outputs offer a choice of + 10 dB gain and the choice of one of three equalization curves to either enhance sub-bass response (+ 10 dB @ 50 Hz), attenuate mid-bass resonance frequencies (– 6 dB @ 160 Hz), or do all functions simultaneously. The DIN output selected is then connected via a 5-pin Phantom Power DIN cable to the preamp input of the PPI amplifier.

Experiment with all three outputs to obtain maximum system performance. The center one (combination) is factory recommended for most applications.

Power—The EQM-300 is Phantom powered; it receives ± 15 VDC from an external source through any of its DIN connectors. Any Precision Power amplifier will automatically provide phantom power to the EQM-300 if it is connected by a DIN cable. Since the EQM-300 is powered by the amplifier, it will turn on and off simultaneously with the amplifier. If the EQM-300 is used in a system without a Precision Power amp, a Phantom Supply Module (Precision Power PSM-100) must be used. The PSM-100 supplies ± 15 volts to the EQM-300 and also adapts the DIN output connector to standard RCA phono jacks.

