



PA702

70 Watt 8Ω Pole Mounted Amplifier

Applications

The PA702 pole-mount amplifier system from Atlas Sound provides an innovative solution for display systems that require local sound reinforcement.

Since the first projector was pole mounted in a ceiling, there has been a real quandary about how to best provide local amplification. The PA702 pole mount amplifier is an elegant solution to solve this issue.

The PA702 includes a unique mounting system that allows projector mounting-pole access through the amplifier via a sealed hole incorporated into the chassis design. Simply install the projector mounting pole, align the amplifier chassis hole with the 1.5" mounting tube, and clamp the unit at the desired height above the projector mount with the innovative pole clamp system included with the PA702. Afterwards, install the projector as normal.

As a side benefit, the through chassis "hole" mounting system provides the necessary security to help deter theft.

Output is a strong 70 Watts x 2 from the efficient rail tracking Class AB and switch mode power supply technology.

The PA702 includes a host of other innovative features including an accessory outlet with AC current sense that allows the amplifier to respond instantly from stand-by mode when the projector is powered on remotely, separate audio sense turn-on, balanced phoenix style and unbalanced RCA input connections, front panel status LED's, and recessed screwdriver adjustable tone and volume level controls.

The slim profile chassis is also designed to work in a rack mount configuration. An optional rack mount kit allows single or dual mounting of the PA702 in a 1RU high configuration. (PA702-RMK)



Features

- 70 Watt, 2-Channel, Ultra Compact Power Amplifier
- Patent Pending, Through Chassis Mounting System for use With Pole Mounted Projector Systems
- Current and Signal Sense Auto Turn-On
- Balanced & Unbalanced Inputs
- Screwdriver Adjustable Tone Controls

Specifications

Power Output	70 Watts Per Channel @ 8Ω RMS 1% THD - 50 Watts Per Channel @ 4Ω
Harmonic Distortion	0.002
Frequency Response:	No Hi-Pass Filter: 30Hz – 20kHz (±3dB) Hi-Pass Engaged: 100Hz – 20kHz (±3dB)
Signal to Noise Ratio:	-100dB Below Rated Output (A-Weighted)
Input Sensitivity:	RCA Unbalanced: 250mv Balanced: 250mv
Input Impedance:	RCA Unbalanced: 10k Balanced: 20k
AC Turn On Trigger:	1mV – 350mV
Power Required:	120VAC, 60Hz
Power Consumption:	16 Watts Sleep Mode
Dimensions:	8.5" x 1.75" x 11.5" (215.9mm x 45mm x 292.1mm)
Weight:	5.5lbs (2.4Kg)



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Architect & Engineer Specifications

The product shall be a two channel 1RU half rack power amplifier and provide 70 Watts x 2 into an 8Ω load and 50 Watts x 2 into a 4Ω load. The unit shall utilize rail tracking Class A/B topology and switch mode power supply technology. The front panel shall have Green signal presence LEDs, a Red limit status LED, recessed screwdriver adjustable bass and treble tone controls along with master level controls. The front panel shall have mains power switch with and power Blue "ON" and Red "Standby" status LED indicator. The rear panel shall have balanced inputs with removable phoenix style connectors and an input impedance of 20KΩ. The unit shall have unbalanced RCA input connections with input impedance of 10KΩ. Output terminations are made via phoenix style connectors. The unit shall have an audio sense turn-on from standby mode, with threshold adjustment of 1mV to 20mV. The unit shall have accessory AC socket with AC sense to turn the unit on from standby to active mode with threshold adjustment of 1mV to 350mV. The unit shall draw 16 Watts in standby mode. The unit shall incorporate dip switches to activate a 100Hz High-Pass filter and for paralleling input signals. The unit shall have separate input level trim pots for the RCA inputs to allow mix summing with the balanced inputs. The unit shall have an input sensitivity of 320mV, frequency response of 30Hz – 20kHz (±3dB) and an average THD of .02%. The unit includes a mounting pole installation process via a sealed hole incorporated into the chassis design. The amplifier chassis hole shall accept a 1.5" mounting tube. The pole clamp system shall be included with the unit. An optional rack mount kit allows single or dual mounting in a 1RU high configuration. The unit shall be 8.5" (216mm) Wide x 1.75" (45mm) Height x 13.5" (343mm) Depth. The unit shall weigh 5.5lbs (2.4Kg). The unit shall be RoHS compliant. The unit shall be compliant with IEC/ UL60065. The unit shall be the Atlas Sound PA702.



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