

ACM120P

120W Power Amplifier

Description

The ACM120P is a 120 watt power amplifier with outputs for 4 and 8 ohms, 70 and 100 volt line. It may be desk or rack mounted. The ACM120P features a flat screwdriver accessible gain control on the rear panel. This amplifier features a status LED.

Inputs and Outputs

The ACM120P features a balanced line level XLR input with a parallel output to feed additional power amplifiers. The unit has industry standard 3 pin XLR microphone sockets. The ACM120P features 100 volt, 70 volt, 8 and 4 ohm isolated transformer outputs via a rear panel barrier strip.

Protection

Internal current limiting protects the amplifier from both overload and overdrive conditions. Should the amplifier be overdriven, a current limiter will protect the unit, and in a worst case scenario the amplifier will shut down until the problem is resolved. Once the problem is fixed (shorted speaker line, or overdriven input), the amplifier will automatically reset and continue operation. The ACM120P features generous heatsinking.

Australian Monitor Installation Series amplifiers feature a protection network that provides greater stability and performance. Our amplifiers are recognised worldwide for their reliability and this is due to the extensive levels of current limiting which protect the amplifiers from both overload and overdrive conditions.



Power Output	120 Watts RMS
Maximum Load	80 Ohms @ 100 Volts
Power Bandwidth	60Hz - 15kHz < 0.5% THD
Frequency Response	60Hz - 15kHz (± 3dB)
Total Harmonic Distortion	0.5% @ 1kHz rated power
Signal To Noise Ratio	-80dB
Input Sensitivity	700mV
Outputs	100V, 70V, 4 Ohm, 8 Ohm
Controls	One gain control on rear of the unit via flathead screwdriver control
Indicators	Power "on" LED
Power Source	AC 240V - 60Hz, 110V - 50Hz (special) 3 pin IEC connector
Power Consumption	300 Watts
Protection	Current Limiter protection, plus AC and DC fuses
Dimensions/Weight	88mm H x 480mm W x 280mm D (Chassis Dimensions only). 12kg
Rack Mounting	Standard

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The 120 watt power amplifier shall be designed to run 100 and 70 volt line audio systems. The unit shall also feature a 4 and 8 ohm output. The amplifier may be desk or rack mounted.

The amplifier must be capable of delivering 120 watts into an 80 ohm inductive load with less than 0.5% distortion measured at 1kHz and with system hum and noise of -80dB or better. Internal current limiting shall protect the amplifier from both overload and overdrive conditions.

The amplifier shall be an Australian Monitor Installation Series model ACM120P.



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