

# AMIS120P

120W Power Amplifier

## Description

The AMIS120P 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 AMIS120P features a flat screwdriver accessible gain control on the rear panel. This amplifier features a status LED. The amplifier may operate from mains power or 24V DC.

## Inputs and Outputs

The AMIS120P 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 AMIS120P 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 AMIS120P 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.



<b>Power Output</b>	120 Watts RMS
<b>Maximum Load</b>	80 Ohms @ 100 Volts
<b>Power Bandwidth</b>	60Hz - 15kHz < 0.5% THD
<b>Frequency Response</b>	60Hz - 15kHz (± 3dB)
<b>Total Harmonic Distortion</b>	0.5% @ 1kHz rated power
<b>Signal To Noise Ratio</b>	-80dB
<b>Input Sensitivity</b>	700mV
<b>Outputs</b>	100V, 70V, 4 Ohm, 8 Ohm
<b>Controls</b>	One gain control on rear of the unit via flathead screwdriver control
<b>Indicators</b>	Power "on" LED
<b>Power Source</b>	AC 230/240V - 50Hz; DC 24V; 110V - 60Hz (special) 3 pin IEC connector
<b>Power Consumption</b>	300 Watts
<b>Protection</b>	Current Limiter protection, plus AC and DC fuses
<b>Dimensions/Weight</b>	88mm H x 480mm W x 280mm D (Chassis Dimensions only). 12kg
<b>Rack Mounting</b>	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 AMIS120P.



Engineered and Distributed By **AUDIO TELEX COMMUNICATIONS PTY LTD** (ABN 78 001 345 482), 149 Beaconsfield Street, Silverwater, Sydney, NSW, 2128 Australia

NSW Tel: (02) 9647 1411 Fax: (02) 9648 3698 VIC Tel: (03) 9890 7477 Fax: (03) 9890 7977 QLD Tel: (07) 3852 1312 Fax: (07) 3252 1237 WA Tel: (08) 9228 4222 Fax: (08) 9228 4233

SA Tel: (08) 8352 4444 Fax: (08) 8352 4488 NZ Tel: (09) 415 9426 Fax: (09) 415 9864 Export Enquiries: [export@audiotelex.com.au](mailto:export@audiotelex.com.au) Website: [www.australianmonitor.com.au](http://www.australianmonitor.com.au)