

Australian Monitor

AMIS120XL

120W, 8 Channel Mixer Amplifier

The AMIS120XL is an eight channel, 120 watt mixer amplifier suitable for rack or desk mounting. The amplifier is a self contained compact unit of solid steel construction. This amplifier features a status LED. The AMIS120XL has eight universal input channels with separate level controls. Each channel will accept balanced or unbalanced microphone, line and auxiliary inputs. The unit has industry standard XLR microphone sockets and dual RCA auxiliary sockets for each channel. Rear panel dip switches per channel allow the adjustment of line input sensitivity. An insert point is also featured on the rear panel for those applications where an additional EQ or Feedback Exterminator may be required.

The AMIS120XL features 100 volt, 70 volt, four and eight ohm isolated transformer outputs, plus a tape recorder output by means of dual RCA sockets. A balanced 700mV XLR output is also provided to feed up to six power amplifiers. A vox triggered relay output is also available on the rear panel for activation of external devices from the vox muting circuit. In most cases this would be used as a muting bypass relay, which when used with the appropriate external attenuator will maintain paging levels irrespective of the attenuator setting.

Phantom Power (eighteen volts DC) is available from all mic inputs. A rear panel phantom power on/off dip switch is also provided per channel. Internal current limiting protects the amplifier from both overload and overdrive conditions.

Australian Monitor 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.



Features

- 3 stage Vox muting for channels 1,2 and 3 (selectable)
- On board chimes
- 8 XLR mic/dual RCA line inputs
- Mains 24V DC operation

Specifications

The mixer amplifier shall have eight universal input channels, each comprising of a balanced microphone input with XLR female sockets and an auxiliary input using dual RCA sockets. A balanced XLR output to drive additional power amplifiers shall also be provided. The master output may be controlled remotely via a VCA control. An insert point is provided for the addition of signal processing. A vox triggered relay output (for external devices) shall also be included.

The amplifier master section shall include one master gain control, three EQ controls, one at 100Hz with 12dB of cut and boost, one at 600Hz with 12dB cut and boost and the other with 9dB of cut and boost at 10kHz. Speaker outputs shall be transformer isolated at one hundred ohm, seventy volt, four and eight ohms. The amplifier must be capable of delivering one hundred and twenty watts RMS into a forty inductive ohm load, with less than 0.5% distortion measured at 1kHz and with system hum and noise equal to or better than -74dB. The amplifier shall be an Australian Monitor AMIS120XL.



AMIS120XL

Power Output	120 Watts RMS	
Maximum Load	40 Ohms @ 70 Volts	
Power Bandwidth	60Hz - 17kHz (- 3dB)	
Frequency Response	60Hz - 23kHz (- 3dB)	
Total Harmonic Distortion	0.5% @ 1KHz rated power	
Signal To Noise Ratio	-74dB with all controls at their centre position	
Tone Controls	Bass @ 100Hz Treble @ 10kHz	Boost +12dB Cut -12dB; Mid @ 600Hz: Boost +12dB Cut -12dB; Boost +9dB Cut -9dB
Inputs	Six mic/aux universal inputs with XLR female mic sockets and dual RCA Phono aux sockets; 600 ohm transformer balanced telephone paging input	
Inputs	Eight mic/aux universal inputs with XLR female mic sockets and dual RCA Phono aux sockets;	
Outputs Speaker	100 Volt, 70 Volt, 4 & 8 Ohms; Tape: 350mV @ 10K Ohms; Line: Balanced 700mV	
Phantom Power	18 Volts DC on all Mic inputs (dip switch per channel)	
Controls	8 Input channel gain controls, 1 Bass control, 1 Mid Control, 1 Treble control, 1 Master gain control, VCA rear panel strip, Dip Switch per Channel for line sensitivity and phantom power and a vox relay output on the rear panel.	
Power Source	120VAC 60Hz 3 pin IEC connector; 24VDC	
Power Consumption (max)	250 W	
Protection	Soft limiter for overload and overdrive protection, plus AC and DC fuses	
Rack Mounting	Standard	
Tone Generators	Built-in four tone generator module. Includes Bell, Pre-Announce, Alert and Evac Tones	
Muting	Built-in VOX muting. Channel 1 will mute channels 2 to 8, channel 2 mutes 3 - 8, channel 3 mutes 4 - 8. A vox triggered relay (for external devices) is also included.	
Dimensions (H x W x D)	88 x 482 x 330mm (3.5" x 19" x 13")	
Shipping Dimensions (H x W x D)	190 x 530 x 480mm (7.5" x 20.8" x 18.9")	
Weight	Net Shipping	11.5kg (25.5.1lb) 20kg (44lb)

ENGINEERED BY AUSTRALIAN MONITOR

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