

Australian Monitor

AMIS250

250W, 6 Channel Mixer Amplifier

The Australian Monitor AMIS250 is a six channel, 250 watt mixer amplifier suitable for rack or desk mounting. The amplifier is a self contained compact unit of solid steel construction. The AMIS250 has six 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. An insert point is featured on the rear panel for those applications where an additional EQ or feedback exterminator may be required.

The AMIS250 features 100 volt, 70 volt and four 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.

The AMIS250 includes a two band equaliser (Bass and High), giving the user a wider range of tone controls for high level music or difficult voice applications.

The AMIS250 comes standard with an in-built four tone generator module. Tones include Bell, Pre-announce Chime, Alert Tone and Evacuate Tone. Any of these tones may be activated from a simple contact closure on the rear panel of the amplifier. VOX muting is standard on the AMIS250. A mic or line signal on channels one or two will mute channels three, four, five and six. The muting function can be disabled via an internal link. Phantom Power (18V DC) is available from all mic inputs. A rear panel phantom power on/off switch is also provided. 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

- 6 Balanced mic/dual RCS line inputs
- 250 watts
- Vox muting on channels 1 and 2 (defendable)
- 18V DC phantom power
- Mains 24V DC operation.

Specifications

The mixer amplifier shall have six universal inputs each comprising of a balanced microphone 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 amplifier master section shall include one master gain control, three EQ controls, one with 12dB of cut and boost at 100Hz, one with 12dB cut and boost at 600Hz and the other with 9dB of cut and boost at 10kHz. Speaker outputs shall be transformer isolated at one hundred volt, seventy volt and four ohms. The amplifier must be capable of delivering two hundred and fifty watts RMS into a twenty inductive ohm load, with less than 0.5% distortion measured at 1kHz and with system hum and noise less than -74dB. The amplifier shall be an Australian Monitor AMIS250.



AMIS250

Power Output	250 Watts RMS	
Maximum Load	20 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 at 100Hz Middle at 600Hz Treble at 10KHz	Boost +12dB Cut -12dB; 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;	
Input Sensitivity	Mics: 1mV @ 200 Ohms; Aux: 150mV @ 47K Ohms	
Outputs Speaker	70 Volts, 4 Ohms; Tape: 350mV @ 10K Ohms; Line: Balanced 700mV	
Phantom Power	18 Volts DC on all Mic inputs	
Controls	6 Input channel gain controls, 1 Bass control, 1 Mid Control, 1 Treble control, 1 Master gain control, Phantom Power on/off switch (on rear panel)	
Metering/Indicators	Power "on" and "Protect" LED	
Power Input	AC: 230/240V - 50Hz, 110V - 60Hz (special) 3 pin IEC connector; DC: 12 Volts	
Power Consumption (max)	400W	
Protection	Current Limiter 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. Channels 1 and 2 will mute channels 3, 4, 5 and 6	
Dimensions (W x H x D)	480 x 88 x 380mm (19" x 3.5" x 13")	
Shipping Dimensions (W x H x D)	530 x 190 x 480mm (20.8" x 7.5" x 18.9")	
Weight	Net	15kg (33.1lb)
	Shipping	20kg (44lb)

ENGINEERED BY AUSTRALIAN MONITOR

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