

6 Chan 250 Watt MIXER-AMPLIFIER



Description

The AMIS250 is a 6 channel, 250 watt mixer amplifier suitable for rack or desk mounting. The amplifier is a self contained compact unit of solid steel construction.

Inputs

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 electronically-balanced 600 ohm telephone input for paging is also provided. An insert point is also featured on the rear panel for those applications where an additional EQ or feedback exterminator may be required.

Outputs

The AMIS250 features 70 volt and 4 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 6 power amplifiers.

Tone Generator

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.

Muting

VOX muting is standard on the AMIS250. A mic or line signal on channels 1 or 2 will mute channels 3, 4, 5 and 6. The muting function can be disabled via an internal link.

Phantom Power

Phantom Power (18V DC) is available from all mic inputs. A rear panel phantom power on/off switch is also provided.

Protection

Internal current limiting protects the amplifier from both overload and overdrive conditions. 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.

SPECIFICATIONS

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 center

Tone Controls

Bass @ 100Hz:

Boost +12dB Cut -12dB

Mid @ 600Hz:

Boost +12dB, Cut -12dB

Treble @ 10kHz:

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

Input Sensitivity

Mics: 1mV @ 200 Ohms

Aux: 150mV @ 47K Ohms

Outputs Speaker: 70 V, 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

1 Phantom Power on/off switch

Tone Generators

Four tone generator with Bell,

Pre-Announce, Alert and Evac

Muting

Built-in VOX muting.

Channels 1 and 2 will mute channels 3, 4, 5 and 6

Indicators

Power "on" and "Protect" LED

Power Source

120VAC 60Hz 3 pin IEC; 24VDC

Power Consumption

400 Watts

Dimensions

3.5" H x 19" W x 13" D

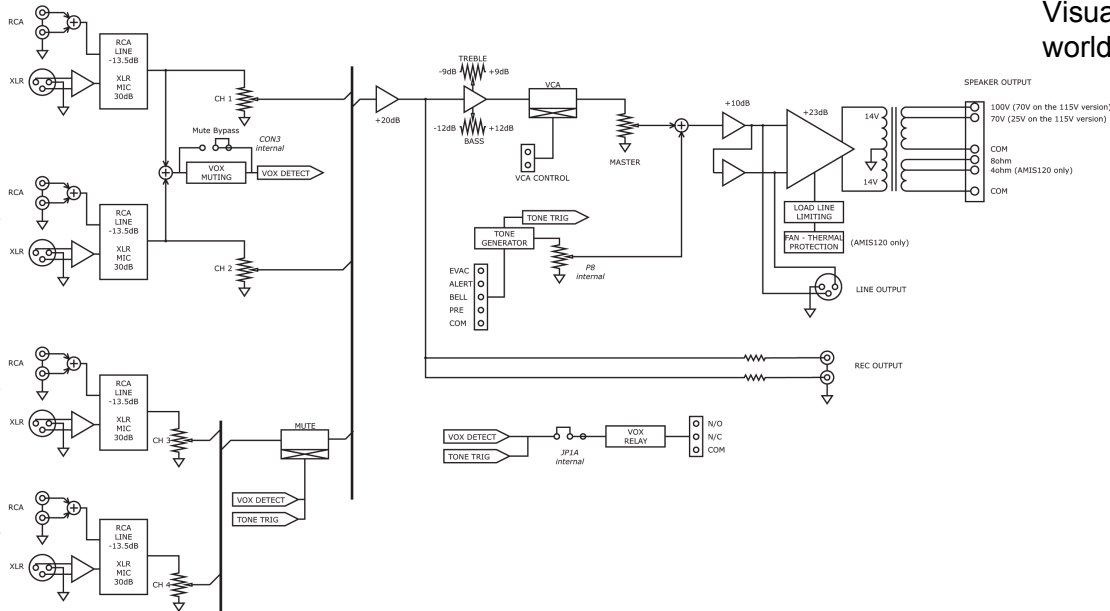
Weight

33.1lb

AMIS 250



ABOUT
 Australian Monitor Corporate Headquarters is located in Sydney, Australia. The organization has more than 20 years experience in the design and manufacture of audio amplifiers and associated products. They are a dynamic corporation, priding themselves on excellent customer service, better features and lower priced products for Sound Contractors and Audio Visual Integrators worldwide.



Architectural and Engineering 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 70 volt and 4 ohms. The amplifier must be capable of delivering 250 watts RMS into a 20 inductive ohm load, with less than 0.5% distortion measured at 1kHz and with system hum and noise less than -74dB. The amplifier shall AMIS250XL