



AUSTRALIAN MONITOR

Australian Monitor Installation Series



MX81 Mixer

At a Glance

- > 8 input mono mixer
- > XLR input switchable between mic and line level
- > +/- 15dB gain trim control per input
- > Input 1 is switchable to be pre/post master
- > 24VDC or mains power operation
- > Optional remote VCA/Tone generator/ Muting boards available
- > Whisper quiet operation
- > Dual colour signal present indication LED per input

A More Thorough Examination...

The Australian Monitor Installation Series MX81 mixer brings a range of new features to the AMIS standard 1 RU mixer range. The MX81 mixer features the new Australian Monitor Standard (AMS) input section which has an XLR input switchable between mic and line level, dual RCA line inputs (on the first 6 inputs only), signal present LED indication, individually switchable phantom power, treble and bass controls and +/- 15dB of gain trim available per input. The MX81 also boasts whisper quiet operation, 4 segment output level indication and balanced line output, record output and

headphone outputs. The MX81 has 6xAMS and 2xXLR inputs to one output and will operate via 110 or 220-240 VAC or 24VDC via an external 24 volt power supply. Optional remote VCA volume control, tone generators and muting boards are also available for the MX81.

The MX81 mixer is extremely versatile and represents excellent value for money.



Australian Monitor
INSTALLATION SERIES

Architecture & Engineering Specifications

The Mixer shall be standard 1 rack unit in height and shall operate via mains power or via 24 volt DC supply. The unit shall feature 8 XLR inputs switchable between standard mic/line level and dual RCA line level inputs for input channels 1-6. Each channel input shall have individual treble and bass controls as well as signal present LED indication and +/- 15dB gain trim and phantom power switching. The unit shall feature 4 separate LED output indication, balanced XLR output, separate record output and headphone output. Optional tone generator boards, muting modules and remote VCA master volume controls must be available.

The unit shall be an Australian Monitor Installation Series MX81.



FREQUENCY RESPONSE	20Hz - 20kHz (+0,-3dB)
TOTAL HARMONIC DISTORTION	< 0.1% @ 1kHz
SIGNAL TO NOISE RATIO	> 90dB (all pots at centre position)
CROSSTALK	>70dB
TONE CONTROLS	
BASS @ 100HZ	+/- 12dB
TREBLE @ 10KHZ	+/- 12dB
SENSITIVITY (Trim in centre 0dB)	Mic Sens 4.36mV, -45dBu Imp 1k3ohm Line Sens 0.775V, 0dBu Imp >100ohm RCA 200mV, -12dBu Imp 30kohm
MAX LEVEL IN	XLR mic -15dBu line +30dBu
RCA	>30dBu
MAX LEVEL OUT	+21dBu
PHANTOM POWER	15V DC
OUTPUTS	
MASTER OUT	Nominal Level 0dBu into 1kohm Imp 100ohm
MONO HEADPHONE OUT	Nom -6dB into 200ohm Imp 10ohm
MONO REC OUT	Nom -12dB into 10kohm Imp 10kohm
POWER INPUT	AC: 230V/50Hz or 115V/60Hz, 3 pin IEC320-C14 connector; DC: 24 Volts via 2.1mmx5.5mm DC socket

POWER CONSUMPTION (MAX)	7 VA
FUSES	
MAINS (115V)	120mA
MAINS (230V)	63mA
DIMENSIONS H x W x D	44mm x 482mm x 182mm (1.75"x19"x7.2")
SHIPPING DIMENSIONS H x W x D	90mm x 505mm x 270mm (3.5"x19.9"x10.6")
WEIGHT	
NET	2.75kg (6.1lb)
SHIPPING	3.75kg (8.3lb)

Accessories.

AM Mute1 - This module allows for single stage priority muting in the MX mixer range

AM Tone1 - This module provides simple 4 tone generation for the MX series mixers. Tones available are alert, evac, pre-announce, and bell.

AM VCA - This module allows for a remote master volume control to be used with the MX series mixers

AM Mute3 - This module allows for 3 stage priority muting to occur in the MX series mixers. This also allows for threshold and ducking time adjustments.

AM Tone - This module allows for high quality pre-announce, bell, alert, evac, tones, to be generated on board the MX series mixers.