

Australian Monitor Installation Series



MX82 Mixer

AT A GLANCE

- > 8 input stereo mixer
- > 4 XLR inputs switchable between Mic and line level
- > 4 stereo RCA inputs
- > TRS direct outputs for inputs 1-4
- > +/- 15dB gain trim per input
- > Optional VCA/Tone Generator/Muting boards available
- > Whisper quiet operation
- > Dual colour status indication LED per input

A MORE THOROUGH EXAMINATION

The MX82 is an eight channel, stereo audio mixer which offers high quality audio performance and a wide array of features in a standard 1 RU format. There are four mic/line inputs offering balanced XLR inputs switchable between mic and line level. The first four channels feature a line level direct output which can be used to feed additional amplifiers, mixers or recording devices. An internal dip switch allows the first four inputs to be routed to the direct output, the master outputs or both. Inputs 5-8 are four dedicated stereo RCA aux/line level inputs. Each input has a front panel trim control, status LED and bass and treble controls. Priority muting is available as an optional addition, as is remote VCA master control and tone generation. The MX82 also features four-segment LED output metering and the ability to internally switch input 1 to be either pre or post master. With both Headphone Out and Record Out also available, the MX82 is extremely versatile. Each input channel has individual bass, treble and pan controls. The MX82 has taken the AMIS heritage of a contractor-friendly installation product and added the audio fidelity required in today's AV contracting market.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer shall have four balanced mic/line inputs and four stereo line inputs. Each channel shall include tamper resistant treble, bass, and mic/line controls. The first four channels feature a line level direct output. The master outputs shall be balanced three pin XLR male sockets, and dual RCA female sockets for the stereo tape output. A 1/4" stereo headphone socket shall be included for monitoring. The mixer shall have an optional muting card, as well as an option for tone generator modules and remote master VCA control. The mixer shall be of high quality, suitable for both live and commercial applications. It should have ample headroom and a frequency response of no less than 20Hz - 20kHz (+0, -3dB). Total Harmonic distortion shall be no more than 0.1% at 1kHz. The S/N ratio shall be >90dB. Phantom Power of 15V DC shall be available on all microphone inputs. An internal switch to disable the phantom power on any of the mic/line channels shall also be included. The unit shall be packaged in a rugged 1 RU metal chassis suitable for desk or rack mounting. The mixer shall be an Australian Monitor Installation Series model MX82.



FREQUENCY RESPONSE		20Hz - 20kHz (+0,-3dB)
TOTAL HARMONIC DISTORTION		< 0.1% @ 1kHz
SIGNAL TO NOISE RATIO		> 90dB (all pots at centre position)
CROSSTALK BETWEEN CHANNELS		>70dB
TONE CONTROLS	BASS @ 100HZ TREBLE @ 10KHZ	+/- 12dB +/- 9dB
SENSITIVITY (TRIM IN CENTRE ODB)		Mic Sens 4.36mV, -45dBu Imp 1k3ohm Line Sens 0.775V, 0dBu Imp >100k RCA 200mV, -12dBu Imp 30kohm
MAX LEVEL IN		XLR mic -9dBu XLR line >30dBu RCA >30dBu
MAX LEVEL OUT		+27dBu
PHANTOM POWER		15V DC
OUTPUTS	MASTER OUT	Nominal Level 0dBu into 1kohm Imp 100ohm
	MONO HEADPHONE OUT	Nom -6dBu into 200ohm Imp 10ohm
	MONO REC OUT	Nom -12dBu into 10kohm Imp 10kohm
	CHANNEL DIRECT OUT	Nom 0dBu into 1kohm Imp 100 ohm
POWER INPUT		AC: 230V/50Hz or 115V/60Hz, 3 pin IEC320-C14 connector
POWER CONSUMPTION (MAX)		7 VA
FUSES	MAINS (115V) MAINS (230V)	120mA 63mA
DIMENSIONS H X W X D		44mm x 482mm x 182mm (1.75" x 19" x 7.2")
SHIPPING DIMENSIONS		90mm x 505mm x 270mm (3.5" x 19.9" x 10.6")
WEIGHT		Net 2.8kg (6.2lb) Shipping 3.8kg (8.4lb)

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