

## 8 Channel 1 RU MIXER



### Description

The TX8202 is a high performance 8 channel stereo mixer suitable for desk or rack mounting.

### Inputs and Outputs

The TX8202 has four active balanced mic/line inputs and four stereo line inputs. Each channel features recessed treble, bass and pan controls. Mic/Line level can be adjusted per channel via a dip switch. All mic and line input connections are via 3 pin XLR female sockets, and all stereo line input connections are via dual female RCA sockets. Both the Left and Right outputs are balanced and feature 3 pin male XLR sockets. A stereo tape output using dual female RCA sockets is also provided. A 1/4" stereo headphone socket is included on the front panel. The rear panel includes a terminal block for activation of the optional Tone Generator. The first four channels feature a line level direct output which can be used to feed additional amplifiers, mixers or recording devices. An internal jumper allows the first four inputs to be removed from the master left/right outputs while still retaining their direct output function.

### Controls and Metering

Front panel controls include Master Left and Right Outputs plus individual channel level controls. Each channel also features a recessed, screwdriver adjustable treble, bass and pan control. A four position dip switch (mic/line, phantom power, routing) is provided for the first four channels. A 7 segment LED meter is provided for both the Left and Right Outputs. A power "on" orange LED is part of the LED meter. An optional remote master VCA is available for remote master volume control.

### VCA Control

The optional VCA control module (AMVCA) allows the master volume to be remotely controlled. External VCA control would normally be via potentiometer connected to a two wire rear panel barrier strip.

### Muting

Muting is standard on the unit for channels one and two. Both channels have equal priority and will mute channels 3-8 when signal is present. The muting function can be disabled by moving an internal jumper.

### Tone Generators

Bell, Pre-Announce Chime, Evacuate and Alert are included in the unit. Each tone can be activated by a simple contact closure using the rear panel terminal block.

### Phantom Power

Phantom Power (15V DC) is available on all mic inputs and can be disabled if required via a dip switch.

### SPECIFICATIONS

#### Frequency Response

50Hz - 15kHz ( $\pm$  3dB)

#### Total Harmonic Distortion

Less than 0.1% @ 1kHz

#### Signal To Noise Ratio

-74dBV (all chans center)

#### Tone Controls

Bass @ 100Hz -

Boost +12dB, Cut -12dB

Treble @ 10kHz -

Boost +10dB, Cut -10dB

#### Inputs

4 active balanced mic/line inputs with 3 pin XLR female (200 - 600 Ohm) Maximum Input Level is 500mV; 4 Stereo Line inputs with dual female RCAs (47K Ohms) Maximum Input Level is 1.5V

#### Input Sensitivity

Mic: 1mV @ 200 Ohms

Line 1-4: 150mV - 1V @ 47K

Line 5-8: 125mV @ 47K

#### Phantom Power

15V DC on all mic channels (switchable)

#### Outputs

Left and Right Master 3 pin XLR male sockets. (1.5V @ 600 Ohms.)

Max. Output Level: +20dB

Stereo Headphone Output,

1/4" stereo socket.

(3.5V @ 600 Ohms)

Stereo Tape Output,

dual female RCA

(400mV @ 10K Ohms)

Four direct line level outputs

(600mV @ 10K Ohms)

#### Controls

Level Control per channel,

Recessed Treble, Bass and

Pan Controls per channel,

Left and Right Master Level

#### Indicators

Power "on" orange LED,

7 segment LED meters for

both L and R outputs

#### Power Source

AC: 240V - 50Hz or 110V -

60Hz (special order) 3 pin IEC

connector

#### Power Consumption

7 Watts

#### Dimensions

1.75"x19"x7.2"

#### Weight

8.81 lbs

# TX8202



## ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer shall have 4 balanced mic/line inputs and 4 stereo line inputs. The mic/line channels shall be balanced and feature 3 pin female XLR sockets. The stereo line channels shall have dual female RCA sockets. Each channel shall include tamper resistant treble, bass, and pan controls. The first four channels feature a line level direct output which can be used to feed additional amplifiers, mixers or recording devices. An internal jumper shall allow the first four inputs to be removed from the master left/right outputs while still retaining their direct output function. The equalization per channel shall provide 12dB cut or boost at 100Hz and 10dB cut or boost at 10kHz. The master section shall include individual level controls for both the Left and Right outputs and shall also include two 7 segment output level LED meters. The master outputs shall be balanced 3 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 include on board muting card, as well as a option for 4 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 50Hz - 15kHz ( $\pm 3$ dB). Total Harmonic distortion shall be no more than 0.1% at 1kHz. The S/N ratio shall be -74dBV or better. Phantom Power of no less than 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 TX8202.

## 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.