

# TX6000

6 Channel Mic/Line Mixer

## Description

The TX6000 is a high specification, single rack space, 6 channel mic/line mixer suitable for desk or rack mounting. The mixer is designed to operate from both AC mains power as well as 24 volts DC.

## Inputs

Six dual mic/line inputs are provided. The mic inputs are active balanced and feature 3 pin XLR female sockets. Each channel also includes dual female RCA line/aux sockets.

## Outputs

The TX6000 features a balanced line output via a 3 pin XLR male socket. A mono tape output is also available via dual female RCA sockets. A 1/4" mono headphone socket is included on the front panel.

## Controls

Front panel controls include a master output level control plus overall bass and treble controls. Individual channel level controls are provided for all six inputs.

## Metering

A 7 segment LED meter is provided for the master output. A power "on" LED is also included.

## Muting

Muting is available via the optional VOX operated plug-in TX3010 or TX3014 precedence cards. The TX3010 provides priority from channel 1 over all other channels. The TX3014 provides two levels of priority. Channel 1 is the master mute channel and overrides channels 2-6, whereas channels 2 will mute channels 3-6 only.

## Tone Generators

The ATC5488 is an optional plug-in accessory providing 4 tones (Bell, Pre-Announce Chime, Alert and Evacuate). The evacuate and alert tones comply with Australian Standard AS2220.1. The ATC5488 plugs into the main board via a 7 pin connector. Activation wires can be fed through a rear panel slot below the 24V DC connector. Each tone can be activated by a simple contact closure.

## Phantom Power

Phantom power (18V DC) is provided on all mic inputs.



<b>Frequency Response</b>	50Hz - 15kHz ( $\pm$ 3dB)
<b>Total Harmonic Distortion</b>	Less than 0.08% @ 1kHz
<b>Signal To Noise Ratio</b>	-78dB (all channels at centre position)
<b>Tone Controls</b>	Bass @ 100Hz, Boost +12dB, Cut -12dB; Treble @ 10kHz, Boost +9dB, Cut -9dB
<b>Inputs</b>	6 dual mic/line. The mic inputs are active balanced with 3 pin XLR female sockets (200-600 Ohms). Maximum input level is 100mV. The line inputs are dual female RCAs (47K Ohms). Maximum input level: 2.5V/10V
<b>Input Sensitivity</b>	Mic: 0.6mV @ 200 Ohms; Line: 50mV @ 47K Ohms; Channel 6 line input is 200mV (for CD player or similar high level input)
<b>Phantom Power</b>	18V DC available on all mic channels (overall internal on-off link)
<b>Outputs</b>	Master output is via a 3 pin male XLR socket (1.5V @ 600 Ohms). Maximum output level: +20dB. Mono headphone output via 1/4" socket (3.5V @ 600 Ohms). Mono tape output via dual female RCA connectors (700mV @ 10K Ohms)
<b>Controls</b>	Level control per channel, Overall bass & treble controls, Master level control
<b>Indicators</b>	Power "on" LED, 7 segment LED meter on master output
<b>Power Sources</b>	AC: 240V - 50Hz or 110V - 60Hz (special order), 3 pin IEC connector; DC: 24 Volts via 2.1mm DC socket
<b>Power Consumption</b>	7 vA
<b>Dimensions/Weight</b>	44mm H x 482mm W x 250mm D (Chassis Dimensions Only). 3kg

#### ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer shall have six dual mic/line inputs. The microphone inputs shall be active balanced and feature 3 pin female XLR sockets. The line inputs shall feature dual female RCA sockets.

Overall bass and treble controls shall be provided with front panel access. They shall provide 12dB cut or boost at 100Hz and 9dB cut or boost at 10kHz. The master section shall include a master level control and a 7 segment output level LED meter. The master output shall be via a balanced 3 pin XLR male socket. The tape output shall be via dual female RCA sockets whilst a 1/4" headphone socket shall be provided on the front panel for monitoring purposes. The mixer shall have facilities for plug-in muting cards as well as a 4 tone generator card.

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 ( $\pm$ 3dB). Total Harmonic Distortion shall be no more than 0.08% at 1kHz. The S/N ratio shall be -78dB or better. Phantom power shall be available to all microphone inputs and shall be switchable via an internal link. The unit shall be packaged in a one rack unit rugged metal chassis suitable for desk or rack mounting.

The mixer shall be an Australian Monitor Installation Series model TX6000.



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