

TX8201

8 Channel Stereo Mic/Line Mixer
with Direct Outputs

Description

The TX8201 is a high performance 8 channel stereo mixer suitable for desk or rack mounting.

Inputs and Outputs

The TX8201 has six active balanced mic/line inputs and two 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 Tone Generator. The first six 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 six inputs to be removed from the master left/right outputs whilst 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 six 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.

VCA Control

The master volume can be controlled remotely. External VCA control would normally be via a pot 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 need be via a dip switch.





Frequency Response	50Hz - 15kHz (± 3dB)
Total Harmonic Distortion	Less than 0.1% @ 1kHz
Signal To Noise Ratio	-74dBV (all channels at centre position)
Tone Controls	Bass @ 100Hz - Boost +12dB, Cut -12dB; Treble @ 10kHz - Boost +10dB, Cut -10dB
Inputs	6 active balanced mic/line inputs with 3 pin XLR female sockets (200 - 600 Ohms). Maximum Input Level is 500mV. 2 Stereo Line inputs with dual female RCAs (47K Ohms). Maximum Input Level is 1.5V.
Input Sensitivity	Mic: 1mV @ 200 Ohms; Line: 150mV @ 47K Ohms
Phantom Power	15V DC on all mic channels (switchable)
Outputs	Left & Right Master Outputs, 3 pin XLR male sockets. (1.5V @ 600 Ohms). Maximum Output Level: +20dB Stereo Headphone Output, 1/4" stereo socket. (3.5V @ 600 Ohms) Stereo Tape Output, dual female RCA connectors. (400mV @ 10K Ohms). Six 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 Controls
Indicators	Power "on" orange LED, 7 segment LED meters for both L and R outputs
Power Source	120VAC 60Hz 3 pin IEC connector
Power Consumption	7 Watts
Dimensions/Weight	1.75" H x 19" W x 9.85" D (Chassis dimensions only). 8.8lb

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer shall have 6 balanced mic/line inputs and 2 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 six 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 six inputs to be removed from the master left/right outputs whilst still retaining their direct output function. The equalisation 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 muting card, as well as a 4 tone generator.

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 (±3dB). 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 TX8201.



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