

OPERATING INSTRUCTIONS
TX4000-1 MIXER

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OPERATING INSTRUCTIONS AND CONNECTIONS

TX4000-1 MIXER

The TX4000-1 is a compact single rack height, desk or rack mounting unit which combines microphone and auxiliary mixing. The mixer will provide sufficient output level to drive approximately ten power amplifiers.

TX4000-1 will accept up to four balanced microphone inputs and three auxiliary inputs. The aux inputs are selected one at a time by means of a slide switch on the front panel, described later in these instructions.

SETTING UP; For normal system operation, the master gain control should be set at approximately 5 and the microphone and auxiliary controls adjusted to the required level, see details of controls under "controls" following.

PANEL CONTROLS

MICROPHONE GAIN CONTROLS; Marked MIC1 MIC2 MIC3 MIC4 they will respond to microphone inputs plugged into the rear (refer to "connections" further on in these instructions).

AUXILIARY INPUT CONTROL; Marked "AUX" it is used in conjunction with slide switch marked "AUX 1.2.3.". Auxiliary inputs such as a tape player or radio receiver may be plugged into the auxiliary at the rear, (refer to "connections" further on in these instructions"). By means of the switch AUX 1.2.3., the relevant auxiliary input may be selected. The volume control marked AUX will then respond to the input selected.

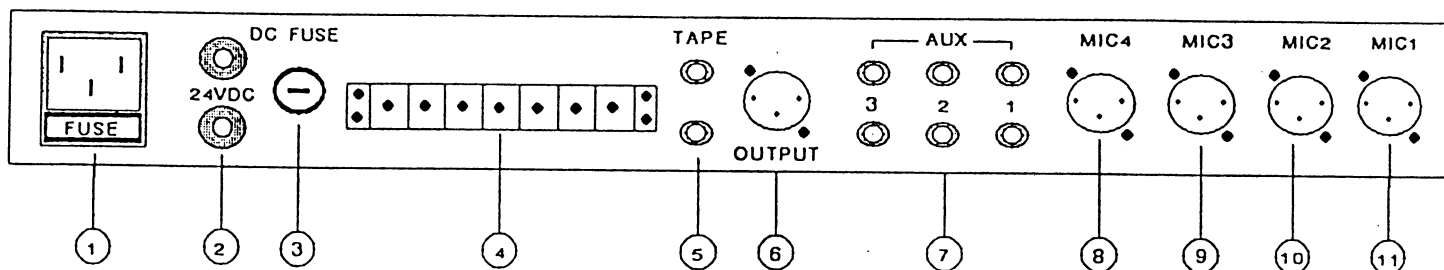
BASS CONTROL; The control marked "BASS" will normally be operated in position 5, which sets the bass response (low frequency) of the mixer to a flat performance. To boost bass performance, turn the control towards 10, to cut bass response, turn the control towards 0.

TREBLE CONTROL; The control marked "TREBLE" will normally be operated in position 5, which sets the treble response of the mixer to a flat performance. To boost the treble (high frequency) response of the mixer, turn the controls towards 10, to cut treble response, turn the control towards 0.

MASTER CONTROL; The control marked "MASTER" adjusts the overall volume of the mixer and all of its inputs. A normal position for the control is 5. To reduce volume turn the control towards 0, to increase volume turn the control towards 10.

VU METER; The collection of red and green light emitting diodes (LED'S) marked "dB" AND "+3 to 21", is an automatic volume level indicator. For normal operation the lights should glow "green" as they modulate with the audio output level. If the lights glow "red" consistently, the mixer has too high a level input and is being overdriven, resulting in a distorted output signal, the controls should be adjusted to reduce levels.

POWER; The push button marked "POWER" turns the mains power to the mixer on or off, a red lamp will glow when the power is on.



- 1.... 3 Pin IEC mains power inlet. 240/120vac with inbuilt fuse drawer and 1 amp fuse. Ensure mains cord disconnected before replacing fuse.
- 2.... 24 Volts DC power source input. Two post type terminals RED..+ BLACK..-
- 3.... DC Low voltage fuse. 0.5 amperes. Remove with a screwdriver, ensure mains power is disconnected before attempting replacement.
- 4.... Terminal strip: Spare for accessory use.
- 5.... Tape recorder output, two RCA phone sockets to enable stereo connection even though inputs are summed for monaural.
- 6.... Output; Balanced male XLR, max 3volts. Pin connections; Pin 1 earth, Pin 2 and 3 active output.
- 7.... Auxiliary Inputs; Three twin RCA phone sockets allows up to three aux inputs to be connected. They can be selected by means of the "AUX 1.2.3." switch previously described.
- 8-11.... Four XLR female microphone inputs, accept 200 ohm,Balanced microphones. Connections; Pin 1..earth.Pin 2 and 3 active balanced input.

MUTING OF INPUTS; An optional muting module model TX3010 is available. The muting module plugs into a socket provided on the printed circuit board. Operation of a microphone input in microphone 1 position only, will automatically mute all other inputs for the duration of the signal in mic 1 (voice operated switching VOX).

To fit the TX3010, unplug the mixer from the mains power. Remove the lid and plug the module into the 7 pin socket adjacent microphone 1 on the circuit board. Replace the lid and restore power.