



# AUDIO TELEX

## OPERATING INFORMATION

### TX8000-I MIXER

#### Audio Telex Communications Pty Ltd

**Sydney**

120-124 Beaconsfield St  
Auburn, Private Bag 114,  
Ermington 2115, Australia  
Tel: (02) 647 1411  
Fax: (02) 648 3698

**Melbourne**

4/26-30 Howleys Rd.,  
Notting Hill, PO Box 468,  
Mt. Waverley 3149  
Tel: (03) 562 8566  
Fax: (03) 562 8781

**Brisbane**

42 Commercial Rd.,  
Fortitude Valley,  
P.O. Box 871, 4006  
Tel: (07) 852 1312  
Fax: (07) 252 1237

**Perth**

31/54 Crocker Dr., Malaga  
6062, P.O. Box 469,  
Mirrabooka 6061  
Tel: (09) 249 2977  
Fax: (09) 249 2978

**Adelaide**

Steiner Thomas Electronics,  
22 Compton St., Adelaide 5000  
P.O. Box 7034 Hutt St. 5001  
Tel: (08) 231 6955  
Fax: (08) 231 6062

**New Zealand**

8 Collins St.,  
Morningside, Auckland  
Tel: (09) 86 7032  
Fax: (09) 89 4588

## GENERAL DESCRIPTION

TX8000-1 is an eight channel compact mixer preamp with eight balanced microphone or line level inputs. It has a separate bass and treble control for each channel to enable separate EQ adjustment per channel. TX8000-1 is also equipped with a tape recorder output as well as a balanced output connection. The unit will operate from mains AC voltage, 240V or 120V as well as 24 volts DC.

## SETTING UP

For the average system level, master control should be set at around 5 and then channel level controls should be individually adjusted for required output level. Once the microphone channels are set up to the required balance, the total output level can be changed with master control. Tone control would normally be set in mid position unless additional bass and/or treble boost or cut is required.

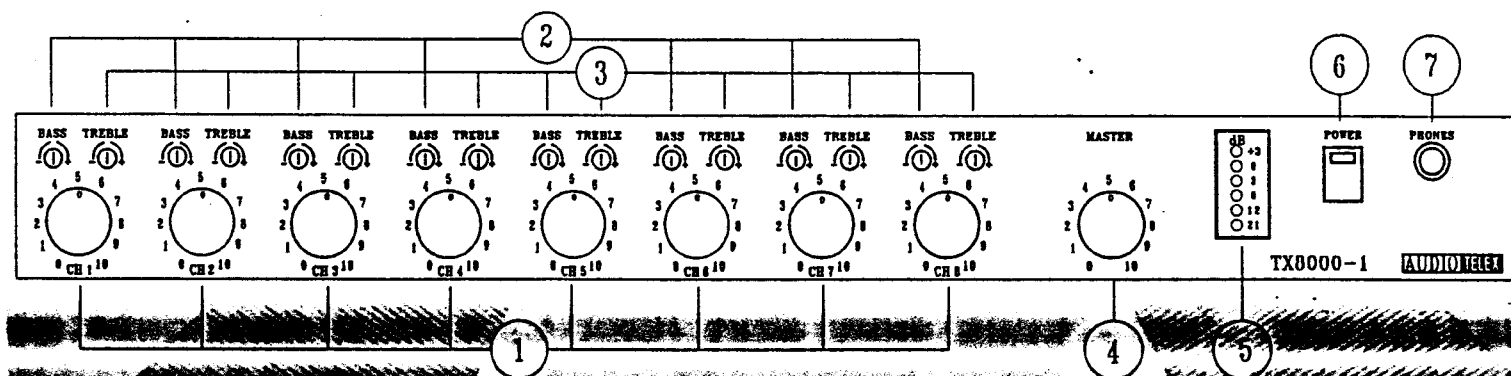


FIGURE 1 FRONT VIEW

1. FADERS ONE TO EIGHT  
Adjusts volume level for each channel, leave at zero when not in use.
2. BASS CONTROLS ONE TO EIGHT.  
Adjusts low frequency EQ response for each channel within the range of +12 to -14 dB.
3. TREBLE CONTROLS ONE TO EIGHT  
Adjusts high frequency EQ response for each channel within the range of + 9.5 to - 9 dB.
4. MASTER VOLUME CONTROL  
Adjusts the overall volume for the mixer to the output and is normally used to control the mixer output.
5. VU LED METER  
L.E.D. indicator lamps light to display level appearing at the mixer output. Green indicates normal levels up to a maximum of 0 dB. Red indicates too much level.
6. POWER ON/OFF SWITCH  
Press down to turn on - Red L.E.D. will glow.
7. HEADPHONE SOCKET  
Accepts 6.3 mm phone plug TRS (mono or stereo).

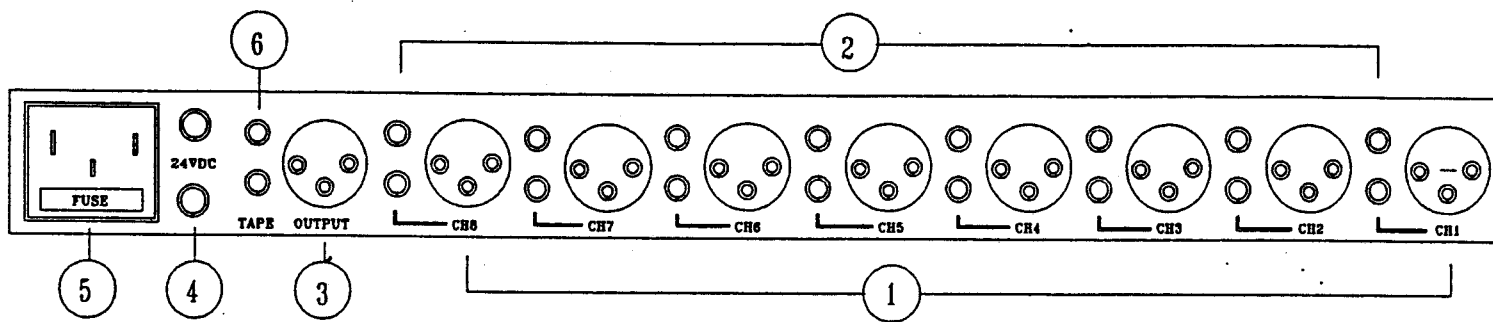


FIGURE 3 REAR VIEW

1. MICROPHONE INPUT SOCKET XLR (female)

One XLR female socket is provided for each of the eight channels. Microphone inputs are active balanced 200 ohm impedance, with a sensitivity of .6 mv/

Connections - Pin 1 ground  
Pin 2 active  
Pin 3 active

2. LINE INPUT SOCKETS. RCA PHONO X2.

Two RCA phone sockets are provided for each channel. They accept a high level input up to 50 mv into 47 K ohms. The two sockets are actively summed to enable a stereo source to be connected, although of course, the mixer has a monoural output.

3. OUTPUT SOCKET XLR MALE

One XLR 3 pin male socket provides a transformer balanced output nominal 1.5 volts RMS.

Pin connections are - Pin 1 ground  
Pin 2 active  
Pin 3 active.

4. EXTERNAL BATTERY TERMINAL X2

One red and one black screw type post terminal. Red + Black -.

5. MAINS SOCKET IEG 3 PIN TYPE with fuse drawer plug in mains cord supplied for 240 VAC operation.

To change fuse, remove power lead from socket and open drawer, remove fuse and replace it with same rating fuse. .5 amps 240 VAC.

6. TAPE RECORDER OUTPUT SOCKETS

Two RCA phono sockets provide a high level signal output for a tape recorder or other unbalanced source. Maximum output is 100 mv.

OPTIONAL MICROPHONE INPUT TRANSFORMER

Microphone inputs for this mixer are active balanced low impedance 200 ohms.

Where long microphone lines are used, or there is a high level of electrical interference, it may be useful to install a balanced Nu-metal shielded transformer for the appropriate channel.

A plug in transformer module SA4012 is available for this purpose.

FITTING

- (a) Remove the mains power cord from the unit.
- (b) Remove the lid by withdrawing four mounting screws, two per side.
- (c) Insert the SA4012 into the socket provided on the printed circuit board, at the point adjacent the channel fader pot, for the appropriate channel.
- (d) Replace the lid and mains cord.

# **PRECAUTIONS**

1. **AVOID EXCESSIVE HEAT, HUMIDITY, DUST AND VIBRATION.**  
Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity - such as near radiators, stoves, etc. Also avoid locations which are subject to excessive dust accumulation or vibration which could cause mechanical damage.
2. **AVOID PHYSICAL SHOCKS.**  
Strong physical shock to the unit can cause damage. Handle it with care.
3. **DO NOT OPEN THE UNIT OR ATTEMPT REPAIRS OR MODIFICATIONS. YOURSELF.**  
This product contains no user-serviceable parts. Refer all maintenance to qualified service personnel. Opening the unit and/or tampering with the internal circuitry will void the warranty.
4. **MAKE SURE POWER IS OFF BEFORE MAKING OR REMOVING CONNECTIONS**  
Always turn the power OFF prior to connecting or disconnecting cables. This is important to prevent damage to the unit itself as well as other connected equipment.
5. **HANDLE CABLES CAREFULLY.**  
Always plug and unplug cables - including the AC cord - by gripping the connector, not the cord.
6. **CLEAN WITH A SOFT DRY CLOTH.**  
Never use solvents such as benzine or thinner to clean the unit. Wipe clean with a soft, dry cloth.
7. **ALWAYS USE THE CORRECT POWER SOURCE.**  
Make sure that the power source voltage specified on the rear panel matches your local AC mains supply which is 240VAC 50 HZ.