



TX 120 8 CHANNEL MIXER AMPLIFIER 120 WATTS

FEATURES

- 6 balanced mic inputs
- 2 aux inputs
- 24V DC or 240V AC operation
- 100V or 8ohms output
- In/out connection for graphic equaliser
- XLR mic input sockets

TECHNICAL DETAILS

Power source:

240V 50Hz or 240V DC at 10 amps

Controls:

- 6 × microphone
- 2 × auxiliary
- 1 × base tone control
- 1 × treble tone control
- 1 × master gain
- 1 × vox/voice gate switch
- 1 × bass cut link (internal) for microphone only
- 1 × vox threshold (internal)
- 1 × 600ohm line out level (internal)
- 1 × main ON/OFF for power and battery operation

Power output:

120watts RMS

Power indicator:

Illuminated VU meter

Speaker load connections:

- Common 8ohms at 31 volts
- 100volt at 83ohms

Graphic equaliser:

The level of signal at this point in the circuit is 220mv RMS

600ohm Line out:

1 volt (DdB) at 600ohms electronic balanced adjustable to maximum of 1.8V (+5dB)

Microphone inputs:

6 × 200ohm at 200uv (-74dB) electronic balanced to earth with two series RF filters and professional 3 pin sockets.

Aux inputs:

2 × 120mv (-18.4dB) at 47K ohm

Vox/Voice gate control:

This operates on Mic 6 only and is controlled by a three position switch with 1-Vox; 2-Normal; 3-voice gate settings. (See vox operation page 3).

Mute:

This is available on the rear panel with a 3 pin plug and socket and Aux 1 and 2 will be inhibited when pin 3 and 4 are shorted by the microphone jacks.

Line out:

Can be used to record total amplifier programme materials.

SPECIFICATIONS

Power output: 120RMS @ 240V mains or 24V DC

Microphone sensitivity: 220uv (-73dB) at 200ohms electronic balanced.

Aux sensitivity: 100mv (-20dB) at 47Kohms

Microphone frequency response: 75Hz to 10kHz, -3dB

Microphone bass cut: -9dB at 100Hz

Aux frequency response: (power and band width) 40Hz to 15kHz, -3dB

Microphone input overload level: 3.6mv (-49dB)

Aux input overload: 2.5 volts

Basic noise: 84dB below full power output

Noise aux at max: 69.5dB below full power output

Noise mic at max: 65dB below full power output

THD: 1.5% at 400Hz 120 watts power output

Tape out: 220mv at 46Kohms

600ohms line out: +5dB 1.8 volts RMS electronic balanced

600ohms line out frequency response: (aux input) 36Hz to 19kHz -3dB

Battery trickle charging: Battery in discharged condition approx 300MA

Battery near full charge approx 60-80 MA

Tone controls: Bass +/- 14dB at 100Hz

Treble +/- 14dB at 10kHz

Vox sensitivity: Max -110dB at mic 6 input

Normal -82dB at mic 6 input

Fuses: DC 10amp

AC 2.5amp