

www.guardianaudio.com

# Guardian Audio

**Maximum Power:** 180 watts @ 4 ohms  
120 watts @ 8 ohms

**Input Impedance:** Lo-Z Mic 1k ohms  
Hi-Z Mic 10k ohms  
Tape Playback 10k ohms

**Channel Equalization:**  $\pm 15\text{dB}$  @ 5kHz

**Protection Circuit:** Power on mute 2 seconds

## ***B4 Owners Manual***

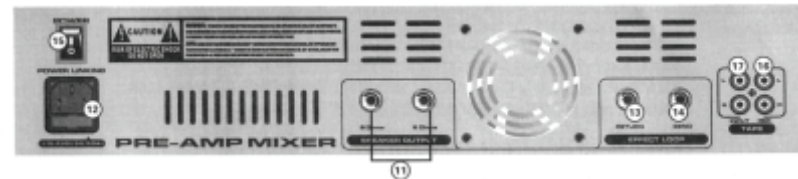
### ***4 TCC Channel Powered Mixer***

We use True Channel Count (TCC) on all Guardian Audio® mixers. A mic channel consists of a minimum of an XLR input, EQ and level controls. A stereo channel consists of a minimum of a pair of input jacks, EQ and level controls.



## FRONT PANEL FEATURES

- 1) XLR low impedance balanced microphone input. Phantom power for condenser microphones. Input impedance is 10k ohms. The XLR connector is wired PIN 1 = shield, PIN 2 = hot, PIN 3 = neutral.
- 2) 1/4" line high impedance input. This input can be used for a high impedance microphone or line level device such as keyboards, guitars and CD players. The input impedance is 10k ohms. Both high and low impedance jacks can be used simultaneously.
- 3) Channel volume control. This control determines how much signal is sent to the main bus.
- 4) EQ controls. These adjust the overall tone of the channel. They cut or boost high and low frequencies  $\pm 15$  dB.
- 5) Reverb control determines the amount of reverb effect is sent to the main bus for each channel.
- 6) Master Volume controls the overall volume of the mixer output.
- 7) CD/Tape Volume controls the playback level of the RCA inputs.
- 8) Effects Controller adjusts the amount and delay time of the reverb effects.
- 9) Phantom Power turns the 15v phantom power on or off.
- 10) Phones is a headphone jack with a volume control.



## REAR PANEL FEATURES

- 11) Speaker output 1/4" jacks. The minimum impedance for this amplifier is 4 ohms. A total of one 4 ohm or two 8 ohm speakers may be connected. Do not operate below 4 ohms.
- 12) IEC connector for 115 volts 60 cycle grounded AC current. Never operate without the ground pin.
- 13) Effects Loop Return 1/4" jack for adding external effects. This is 10k ohm @ -10dBv.
- 14) Effects Loop Send 1/4" jack for adding external effects, recording out or adding an additional power amp. This line level signal is a mirror of the main output.
- 15) Power Switch turns the mixer on and off. A front panel LED lit indicates that the power is on.
- 16) Tape Rec RCA jacks are for sending signal to a recorder. These are pre-master and do not have reverb or the Tape Input signal.
- 17) Tape Input RCA jacks are for tape/CD or other line level signal. This is 10k ohm @ -10dBv.