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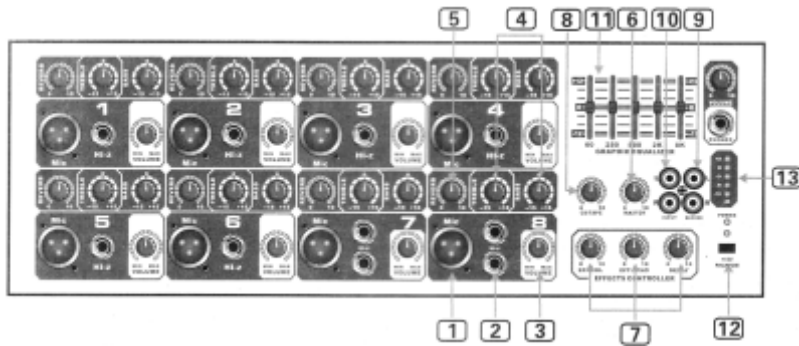
# Guardian Audio

## ***B6 and B8 Owners Manual***

<b>Maximum Power:</b>	180 watts @ 4 ohms 120 watts @ 8 ohms
<b>Send</b>	-10dBv      1k ohms
<b>Record</b>	-10dBv      1k ohms
<b>Input Impedance:</b>	Lo-Z Mic      1k ohms Hi-Z Mic      10k ohms Tape Playback   10k ohms
<b>Channel Equalization:</b>	±15dB @ 5kHz <b>High</b> ±15dB @ 60kHz <b>Low</b> ±15dB @ 60kHz
<b>Protection Circuit:</b>	Power on mute 2 seconds

***6 TCC Channel Powered Mixer  
8 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) Effects Controller adjusts the amount and delay time of the reverb effects.
- 8) CD/Tape Volume controls the playback level of the RCA inputs.
- 9) 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.

10) Tape Input RCA jacks are for tape/CD or other line level signal. This is 10k ohm @ -10dBv.

11) Graphic Equalizer controls  $\pm 12$ dB of boost or cut at 60Hz, 250Hz, 800Hz, 2kHz and 8kHz.

12) Phantom Power turns the 15v phantom power on or off.

13) LED level display



### REAR PANEL FEATURES

14) Power Switch turns the mixer on and off. A front panel LED lit indicates that the power is on.

15) 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.

16) 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.

17) Effects Loop Return 1/4" jack for adding external effects. This is 10k ohm @ -10dBv.

18) IEC connector for 115 volts 60 cycle grounded AC current. Never operate without the ground pin.