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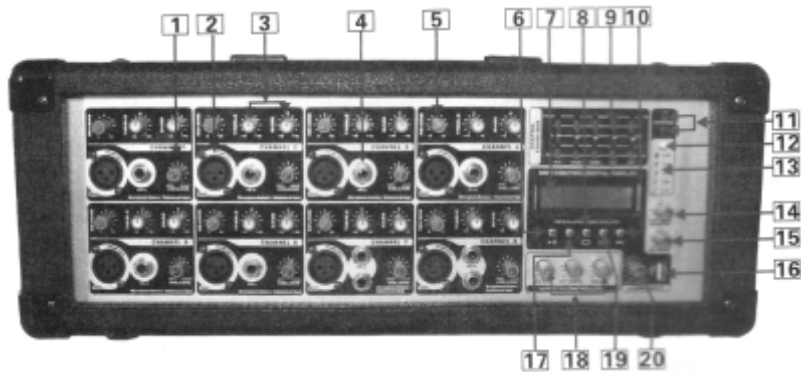
Guardian Audio

B8MP3 Owners Manual

8 TCC Channel Powered Mixer With USB-MP3 Player

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

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) Channel volume control. This control determines how much signal is sent to the main bus.
- 2) 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.
- 3) EQ controls. These adjust the overall tone of the channel. They cut or boost high and low frequencies ± 15 dB.
- 4) 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.
- 5) Reverb control determines the amount of reverb effect is sent to the main bus for each channel.
- 6) Play / Pause button for the MP3 player.
- 7) LCD Display shows songs, elapsed time and total time.
- 8) Track repeat control for the MP3 player.
- 9) Graphic Equalizer controls ± 12 dB of boost or cut at 60Hz, 250Hz, 800Hz, 2kHz and 8kHz.
- 10) Skip to the next track on the MP3 player.
- 11) Phantom Power turns the 15v phantom power on or off.
- 12) Blue LED power indicator.
- 13) LED level display.
- 14) Master Volume controls the overall volume of the mixer.
- 15) CD/Tape volume control.
- 16) USB jack for flash drive.

17) Stop button for the MP3 player.

18) Effects Controller adjusts the amount and delay time of the reverb effects.

19) Skip to the previous track on the MP3 player.

20) Volume for the MP3 player.



REAR PANEL FEATURES

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

22) 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.

23) 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.

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

25) 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.

26) Voltage select switch.

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

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