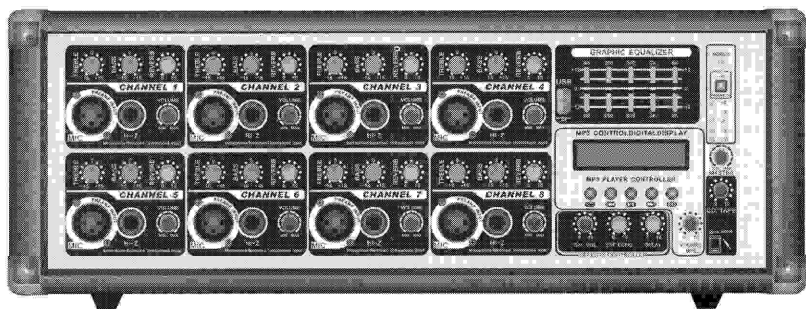


OWNERS MANUAL



2, 4, 6, 8 Channel MIC / LINE Mixer Amplifier

FEATURES AT A GLANCE

180Watts 2,4,6,8 Balanced microphone inputs, 4,6,8 high impedance microphone/line

Inputs and Tape/CD inputs. All may be used simultaneously reverb built in with individual control on each channel line out for connection to external amplifiers record out jack for taping performances R.F interference protection on all inputs and outputs.

The powered mixer is not only easy to use and transport, but designed with the latest technology. The is designed with a strong metal structure, wood cabinet, with vinyl surface, and metal corners, This makes the ideal powered mixer.

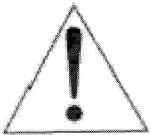
All the specifications you see on the can be found on many other high priced powered mixers. From packaging to quality control, Sound Barrier produced a product of maximum quality and efficiency.

SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside; refer servicing to qualified personnel.



WARNING: To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture.

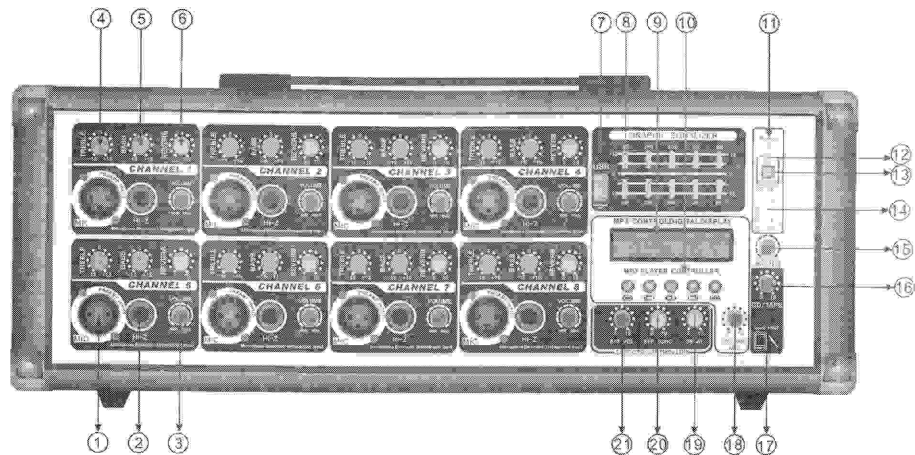


This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage. Inside



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.

A. FROND PANEL SECTION FEATURES



1. BALANCED Mic INPUT

Electronic Balanced inputs acceptable a standard XLR male connector. It is designed to accept a balanced low impedance input signal, Phantom power (15 volts) for condenser microphones is always on and available. It has an input impedance of 1K ohm. The connector is wired as: Pin= shield; Pin3= negative (cold).

2. BALANCE INPUT(LINE)

Electronic Balanced inputs acceptable a standard 1/4 " jacks connector. It is designed to accept a balanced high impedance input signal

3. VOLUME

This is function to adjust the volume of a signal connection into each channel and adjust the volume of output, together with the master fader.

4. TREBLE

This control gives you up to 15 db of boost or cut at 10 kHz and above, and it is also flat at the detent. Use it to add sizzle to cymbals, and an overall sense of transparency or edge to key-boards, vocals, guitar, and bacon frying. Turn it down a little to reduce sibilance, or to hide tape hiss.

5. LOW

This control gives you up to 15 dB boost or cut at 100Hz and below. This circuit is flat (no boost or cut) at the center detent position. This frequency represents the punch in bass drums, bass guitar, fat synch patches, and some really serious male singers.

6. EFF

This is a send control to the reverb bus. It controls the amount of reverberation added to the input signals.

7. USB PORT

Connect USB disk with MP3 file.

8. GRAPHIC EQUALIZER

5-band equalizer is provided for sound control over each frequency, and for precise high quality sound by final tone control (60,250,1K,2K,8KHz shelving at +/-12dB).

9. LCD DISPLAY

(There are three states show)

a. Machine became the first LCD display screen information trademarks of the products, USB version, and initial system.

b. The second message is to remind the screen insert USB, or disk is not MP3 format.

c. The third message is the total number of songs in the USB disk, songs of the total play time ,play time at present, play/pause/ stop sign, symbol cycle, File Format(M refers to the MP3 file format, W refers to the WMA file format), as well as the EQ.

10. TOUCH BUTTON

Five touch keys, which are single cycle / circle of the total, up, play /pause stop, down, EQ option. All of the touch button of this machine are conventional key and compound key.

a. Symbol cycle (A total of 6 cycle model).

They are All cycle, random play, song cycle , End the end of the single player , cycle by a player and players here. Through the button to switch modes, according to a time switch, LCD display the logo.

b. Down.

This is a complex bond, In the state of play, press the button, Will play on a song; In the state to suspend or stop, press the button, the current song will be re-broadcast; Press the button for a long time, can adjust the LCD backlight brightness.

c. Play /Pause/ Stop.

This is a conventional bond, the press is a player, next it is time to pause, then it is stop, while the corresponding LCD display signs. Press for a long time to null and void

d. Up.

This is a complex bond, In the state of play, press the button, Will play the next song; Press the button for a long time, can adjust the LCD backlight brightness.

e. EQ.

This is a conventional keys, press the first choice of a EQ, a total of 11 EQ, are Natural, Rock, Pop, Class, Jazz, Blue, Hall, Bass, Soft, Country, and Opera.

11. POWER LED

It lights when the power switch turns on.

12. PHANTOM LED

The LED +15V will be turned on when start working.

13. PHANTOM POWER SWITCH

When you press the switch the XLR input will have 15V.

14. OUTPUT LEVEL INDICATOR

This is a level meter which shows output levels.

15. MASTER VOLUME

Use this control, you can adjust signal level of main channel.

16. TAPE

This controls the level of the playback inputs(RCA) jack.

17. IPONE INPUT

Portable device input interface, such as IPONE.

18. MP3

Use this control, you can adjust MP3 signal level sent to main channel.

19. EFFECTS DELAY

Use this control, you can adjust the delay time interval of echo repeat.

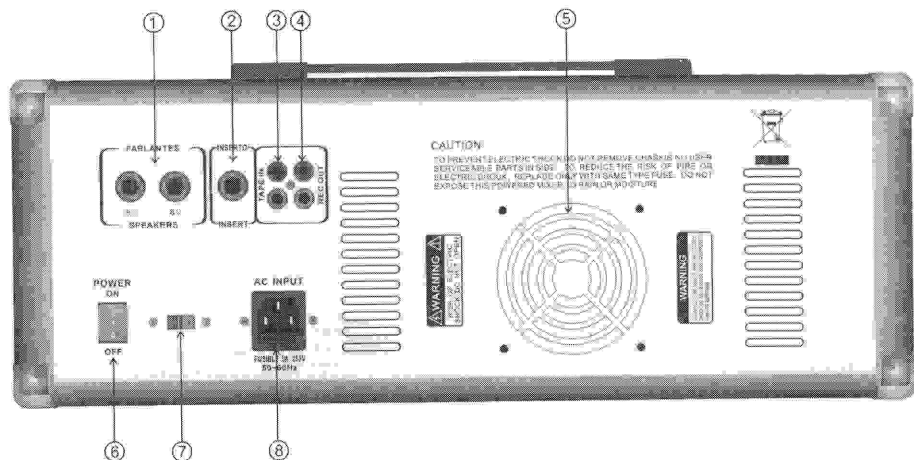
20. EFFECTS REPEAT

Use this control , you can adjust reverberating deepness.

21. EFFECTS LEVEL

Use this control, you can adjust signal levels of echo output.

B. BACK PANEL SECTION FEATURES



1. SPEAKER JACK

These are 2 conductor 1/4" speaker outputs. Each one is rated at 8 ohm minimum impedance. Total minimum load for the amplifier is 4 ohms. You may connect either 1-4 ohm, 1-8 ohm or 2-8 ohm speaker cabinets. Do not below rated minimum impedance.

2. SEND/RETURN

Use a stereo 1/4" plug to send and return a preamp signal to a sound processor

3-4. TAPE IN AND REC OUT

The TAPE IN allows cassette recorders or CD players to be added to the Main output. The RECORD OUTPUT, with TAPE RCA jacks, provides signal output to a cassette deck or Home audio equipment. The impedance is 1K ohms @ -10dBv.

5. FAN

In order to prevent rising the inside temperature, the inside heat is emitted outside.

6. POWER SWITCH

Turns the unit ON or OFF. Always turn level controls down before turning on the unit.

7. CHANGE-OVER SWITCH

This device is used to 110V/220V or 115V/230V voltage conversion.

8. AC POWER CORD/FUSE HOLDERS

For selecting the proper voltage (115/230AC) to match the power supply in your area.

Note: To avoid damage to your unit, always make sure this switch is set to the correct supply voltage.

Damage caused by improper use is not covered by the warranty

C. CONNECTIONS

You will need a lot of cables for different purposes - see the following figures to make sure you have got the right ones. Unbalanced equipment may be connected to balanced inputs/outputs. Either use mono 1/4" jacks or connect ring and sleeve of TRS jacks.

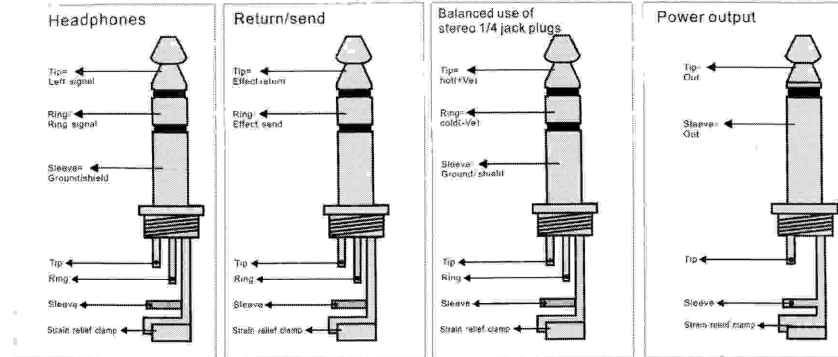


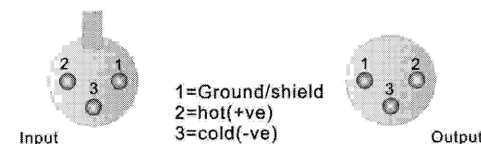
Fig. 1: Head phone connection

Fig. 2: Return/send connection

Fig. 3: Balanced plug types

Fig. 4: Power output connection

Balanced use with XLR connectors



For unbalanced use pin 1 and pin 2 have to be bridged

D. APPENDIX

Maximum Power :

250Watts @ 4 ohms

120Watts @ 8 ohms

Bandwidth

20Hz to 20kHz + 1dB

Input Impedance:

Lo-Z Mic	1K ohms
Hi-Z Mic/Line	33K ohms
Tape playback	10K ohms
Phone	51 ohms

Input level:

Lo-Z Mic	-50dB
Hi-Z Mic/Line	-20dB
Tape playback	-10dB

Bandwidth

20Hz to 20kHz + 1dB

Rec output level

+22dB(max)

Phone output level

+22dB(max)