

OWNERS MANUAL



PMX401	4 CHANNELS
PMX601	6 CHANNELS
PMX802	8 CHANNELS

www.pyleaudio.com

FEATURES AT A GLANCE

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.

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.

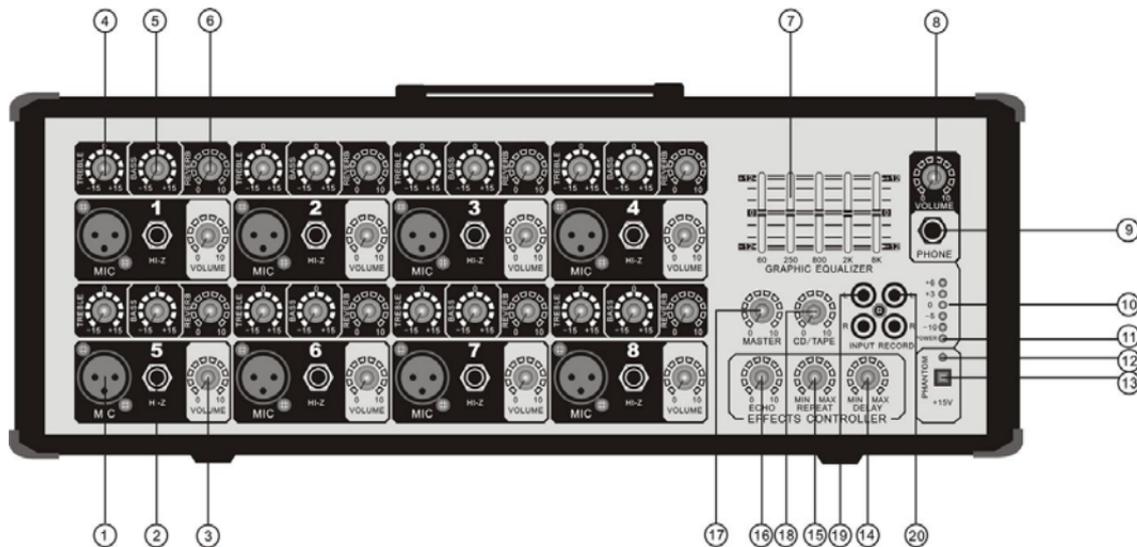


This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage. Inside the enclosure-voltage that may be sufficient to constitute a risk of shock.



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

A. FRONT PANEL SECTION FEATURES



1. BALANCE INPUT (MIC)

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 (This use for connection Deck , Turntable, Keyboard etc...).

3. VOLUME

This is function to adjust the volume of signal connection into each channel and adjust the volume of output, together with 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 synth patches, and some really serious male singers.

6. EFF

This is a send control to the reverb buss, It controls the amount of reverberation added to the input Signals.

7. GRAPHIC EQUALIZER

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

8. VOLUME

Using by this control, you can adjust signal level of phone.

9. PHONE

Phone output jack.

10. OUTPUTS LEVEL INDICATOR

This is level meter which shows output levels of left & right channel condition on the way of operation, therefore, you can see output condition thru this master level indication.

11.POWER LED

It lights when power switch turn on.

12. PHANTOM LED

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

13. PHANTOM POWER SWITCH

When it is depressed, the XLR jack input has +15V voltage.

14.EFF DELAY

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

15. EFF REPEAT

Using by this control , you can adjust reverberating deepness.

16. EFF LEVEL

Using by this control, you can adjust signal level of echo output.

17. MASTER VOLUME

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

18. TAPE

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

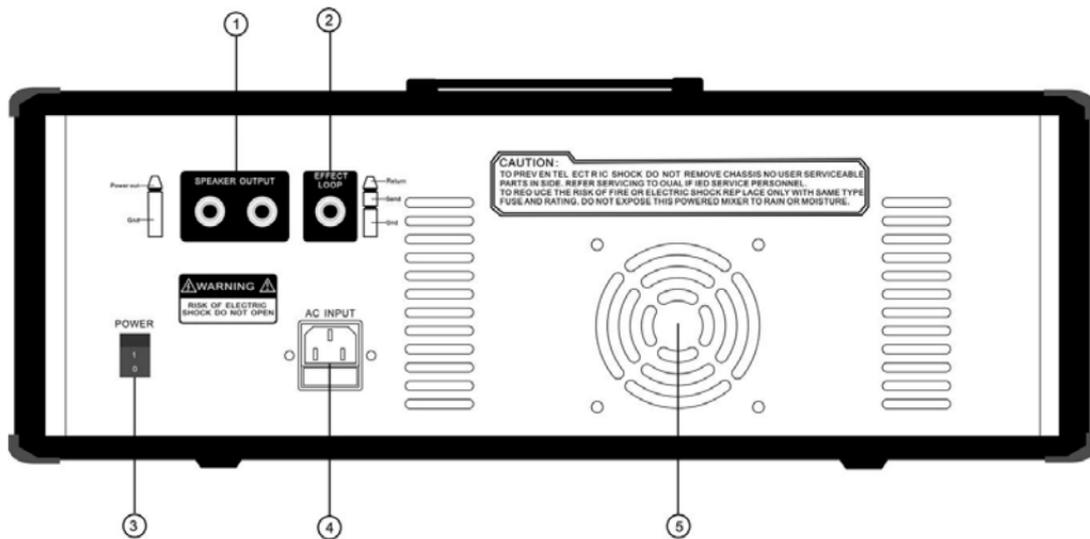
19.TAPE INPUT

These RCA jacks are for bringing in a tape deck, CD player or other line level source. The impedance is 10k ohms .

20. REC OUTPUT

These RCA jacks are for hooking up a tape deck to record from the mixer. Both channels are summed into mono for compatibility. The signals are taken pre-master section, meaning that they are without reverb or the master tone section, and does not include the Tape in signal, The impedance is 1K ohms @ -10dBv.

B. BACK PANEL SECTION FEATURES



1. SPEAKER JACK (LEFT/RIGHT)

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

Using by this jack, you can use stereo 1/4 " jacks connector send internal signal which before power amplifier to external effects processing, after processing return to internal power amplifier.

Or you can use stereo or mono 1/4 " jacks connector send external signal to inner power amplifier .

3. POWER SWITCH

when you want to operate, turn on it, then the LED will be turned on .

4. AC POWER CORD/FUSE HOLDERS

AC 220 ~ 240V 60Hz or 110-120V 60Hz ,Check the power voltage of supply with silk-screen of the panel before connections. When occur a problem on this appliance, the fuse will be cut off, power to prevent form a problem.

5. FAN

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

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.

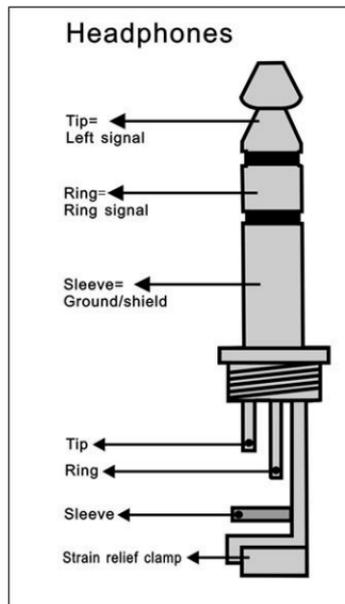


Fig. 1: Head phone connection

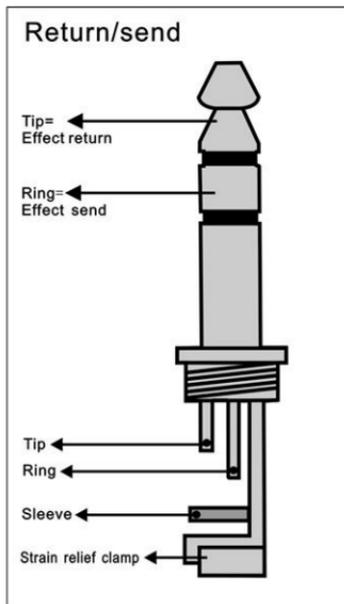


Fig. 2: Return/send connection

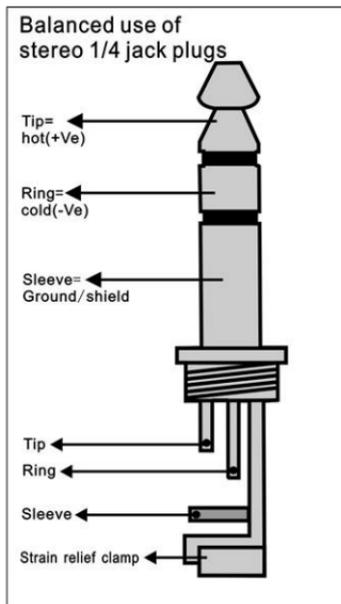


Fig. 3: Balanced plug types

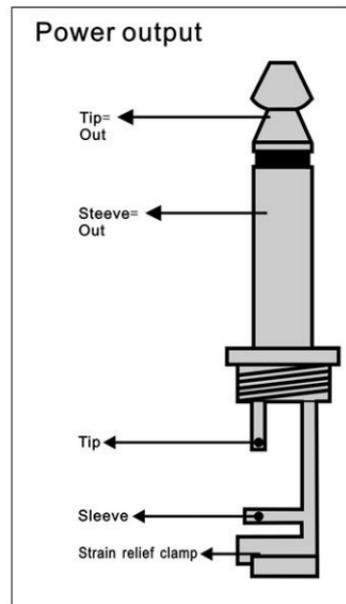
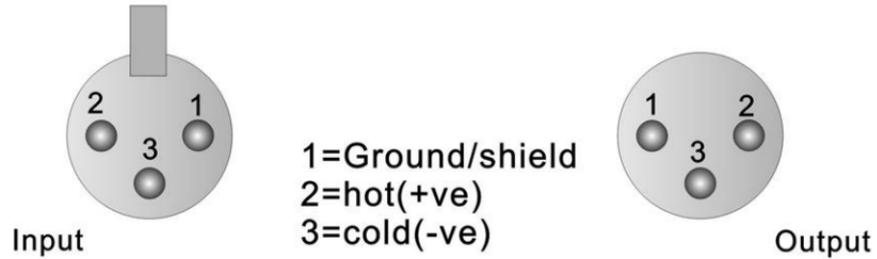


Fig. 4: Power output connection 11

Balanced use with XLR connectors



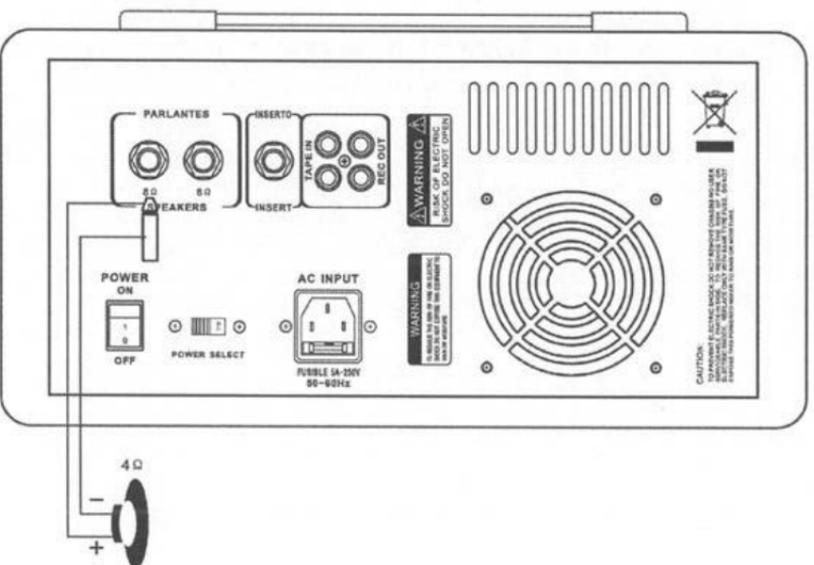
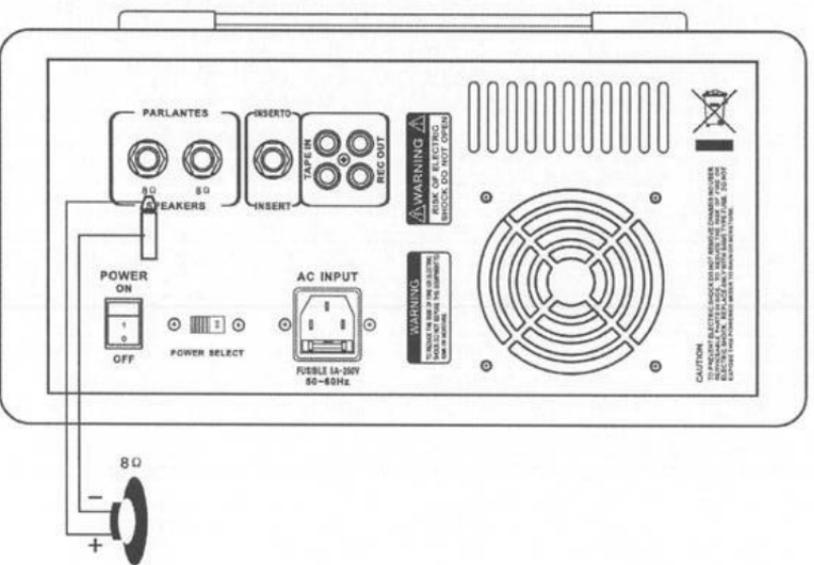
For unbalanced use pin 1 and pin 2 have to be bridged

Speaker Connections

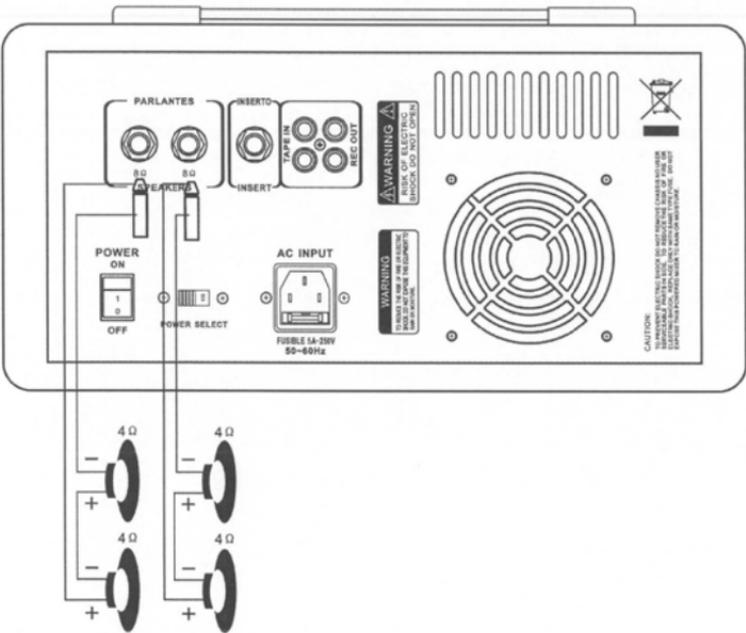
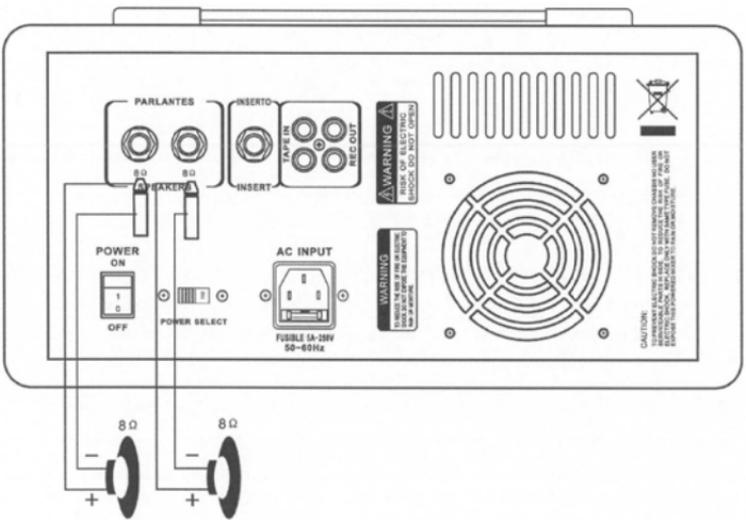
VERY IMPORTANT, PLEASE READ BEFORE CONNECTING SPEAKERS.

One or more speakers (2, 4, or 8 ohm) can be connected to the amplifier with or without transformers. However, before you connect any speaker to the amplifier, the total speaker impedance must be calculated in order to avoid damage to the amplifier. A total speaker impedance greater than 16 ohms or less than 4 ohms can damage your amplifier. To start, all connected speakers should have the same impedance. Please refer to the following diagrams for instructions on connecting more than one speaker. Take special note of the type of connection (parallel vs. serial) and the impedance of the connected speakers.

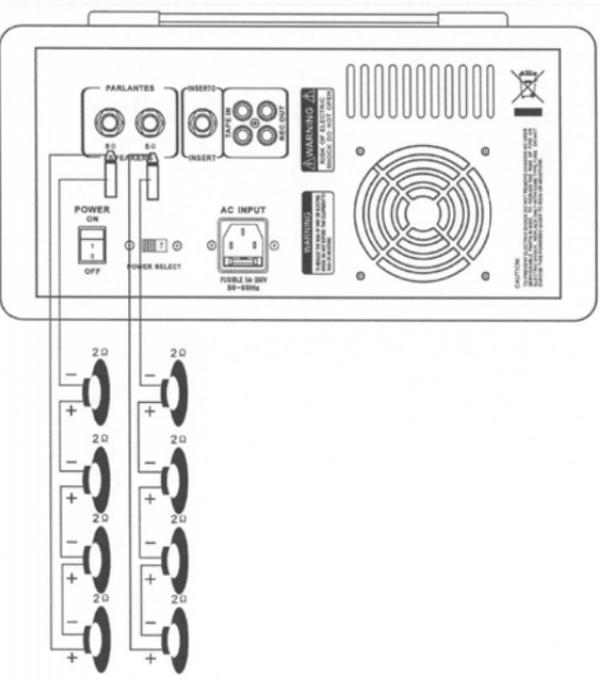
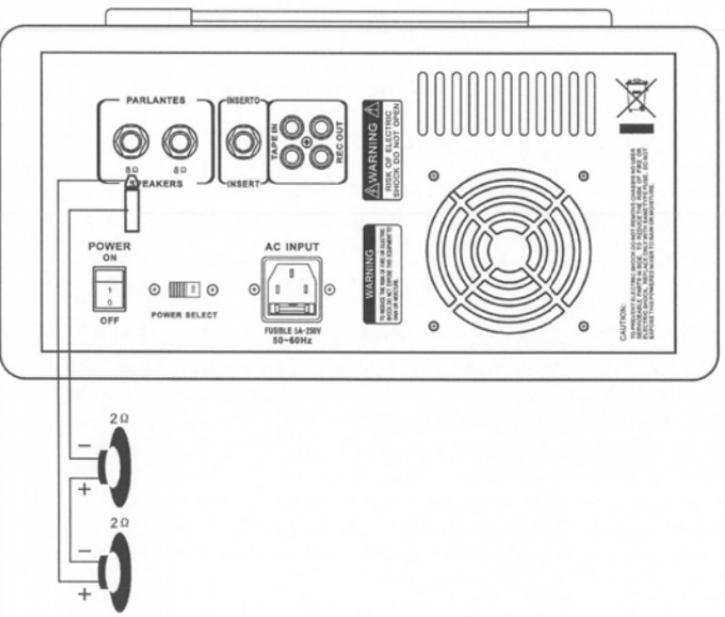
System type 1 : connecting a single speaker.



System type 2: connecting two or more speakers.



System type 2: connecting two or more speakers.



D.APPENDIX

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)