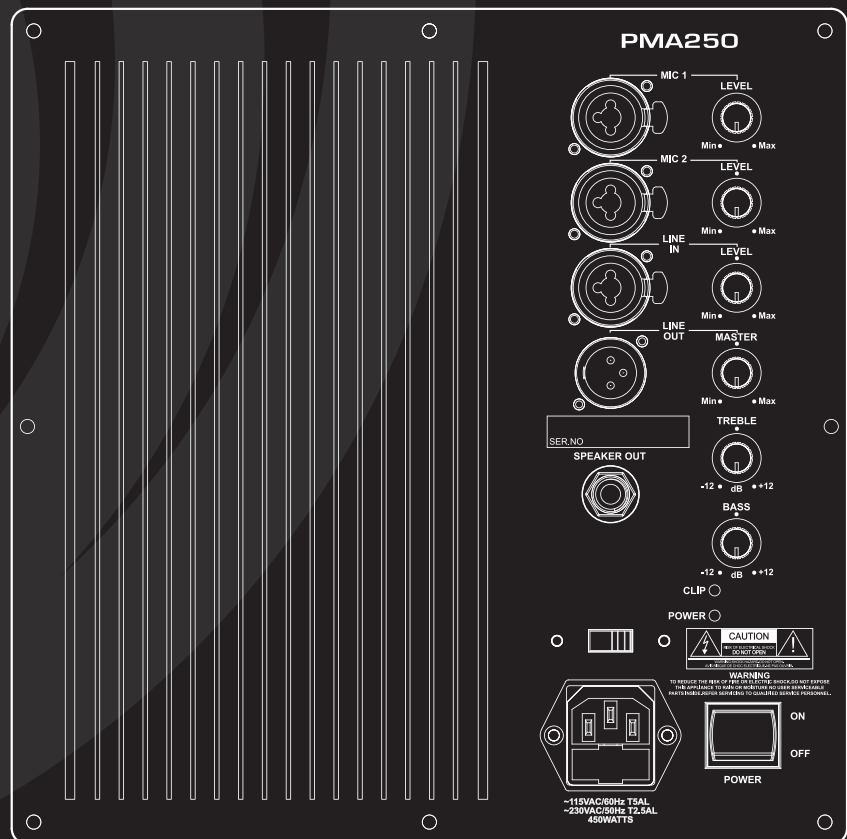
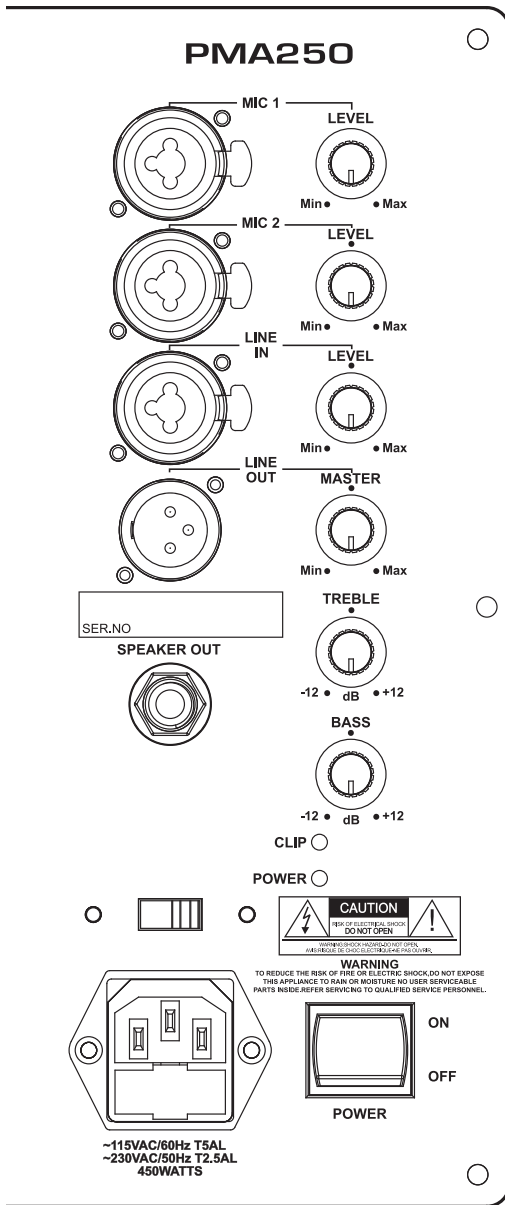


250W PA MODULE with MIXER

Model: PMA250 User Manual



Thank you for purchasing the PMA250 PA Amplifier. This amp is ideal for building active monitors or converting existing speakers to a powered audio system. Perfect for karaoke applications! The open frame module design mounts easily to speaker cabinets, creating a self contained portable P.A. system. The unit features two microphone and one line level input, each with its own level control that offers easy mixing of all inputs. Each input is compatible with both balanced and unbalanced sources. A handy balanced line level output allows easy daisy chaining of multiple amplifier units. The PMA250 also has a convenient speaker output for connection of an additional slave or non-amplified speaker system. Other useful features include bass, treble, and master volume controls.



Inputs/Outputs

MIC 1 & 2:

Allows the connection of both balanced (XLR) and unbalanced (1/4") microphones. Each MIC input has a level control to independently adjust or mix each input.

Note: Not to be used as an input for line level equipment e.g. CD players, tuners, turntables, etc.

Line In:

Allows the connection of both balanced (XLR) and unbalanced (1/4") line level equipment e.g. CD players, tuners, cassette players, etc. It features a level control to independently adjust or mix the input level. A 1/4" plug to two RCA jack adaptor is included for easy connection of devices using RCA type output connectors. This is a mono input. All stereo signals are summed to mono.

Note: If you are using a turntable with this unit, a RIAA equalized phono preamp must be used.

Line Out:

Balanced (XLR male) line level output for easy daisy chaining of multiple units. The Line Out signal will include any MIC or Line In input being used. This Line Out should be connected to the Line In of additional units.

Speaker Out:

Allows the connection of an additional slave or non-amplified speaker system. The connection uses a standard 1/4" plug with the tip being positive. The minimum impedance allowed for the slave speaker is 8 ohms.

Note: The absolute minimum impedance for this amplifier is 4 ohms. If the active speaker impedance is 4 ohms, the Speaker Out feature should not be used. Example: Active speaker = 8 ohms, slave speaker = 8 ohms, total amplifier load will be 4 ohms which is acceptable. Active speaker = 4 ohms, slave speaker = 4 ohms, total amplifier load will be 2 ohms which is not acceptable and could cause damage to the amplifier.

Power In:

This unit features a grounded IEC power jack. This jack allows the user to quickly exchange the power cord if damaged or if a longer cord is desired. This IEC jack also houses the main power fuse (5A, 110V/2.5A, 230V GMA). If the unit stops operating for any reason, always check this fuse first. An extra fuse is located inside the fuse housing.

Controls/ Switches

Master:

Controls the volume or output level of the amplifier.

Treble:

Allows the user to fine tune the high frequency output of the amplifier. The frequency is centered at 10 kHz and allows for +/- 12 dB of adjustment.

Bass:

Allows the user to fine tune the low frequency output of the amplifier. The frequency is centered at 100 Hz and allows for +/- 12 dB of adjustment.

Clip LED:

The unit features a red Clip LED indicator. If the Clip LED is illuminated or flashing, the amplifier is producing distortion (clipping) and the volume level should be reduced.

Power:

This switch turns on and off the amplifier. The unit features a green power LED for positive indication that AC power is present.

Voltage:

This switch allows the user to select between 115VAC or 230 VAC.

Specifications

- Output Power:** 150 watts into 8 ohms @ 0.09% THD (1 kHz)
250 watts into 4 ohms @ 0.9% THD (1 kHz)
- Freq. Response:** **MIC 1 & 2:** 20 Hz-15 kHz (+/- 3 dB)
Line In: 10 Hz-18 kHz (+/- 3 dB)
- Input Sensitivity:** **MIC 1 & 2:** 5mV
Line In: 500mV
- Voltage Input:** 110~120 VAC, 60 Hz, 450 watts
220~230 VAC, 50 Hz, 450 watts
- Dimensions:** 10-7/16" W x 10-7/16" H x 3-5/16" D
- Enclosure Cutout:** 9-1/4" W x 9-1/2" H
- Weight:** 12 lbs.

Warranty Information

Dayton Audio products are warranted free from defects in material and workmanship for **5 years** from date of purchase. **1 year** warranty applies to the following products: powered subwoofers and electronic devices (e.g. subwoofer amplifiers, and plate amplifiers, as well as the Omnimic V2 and DATS loudspeaker testing devices). In the rare case of a product failure, please contact your place of purchase or call our Customer Support Department at (937) 743-8248.

Warranty Limitations

There are no other warranties, either expressed or implied, that extend the foregoing, and there are no warranties of merchantability or fitness for any particular purpose. Dayton Audio is not responsible for any consequential or inconsequential damage to any other unit or component or the cost for installation or extraction of any component of the audio system, or for the improper use of products. This includes but is not limited to burnt voice coils, overheating, bent frames, holes in the cone, or broken lead wires.

This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Non-Warranty Service: If non-warranty service is required, the product may be sent to the Company for repair/replacement, transportation prepaid, by calling (937) 743-8248 for details, complete instructions, and service fee charges.



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