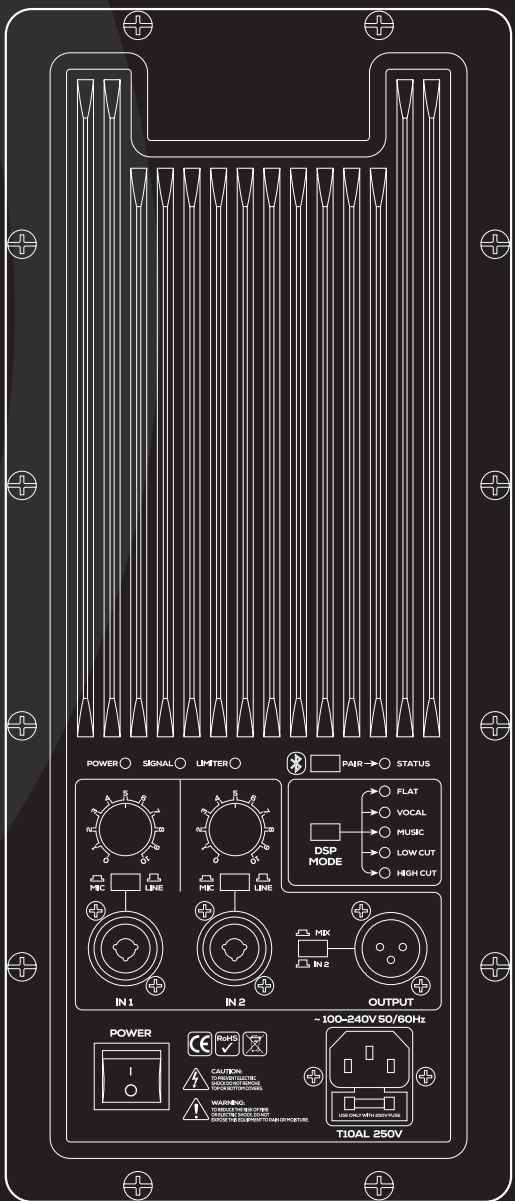




2-WAY PLATE AMPLIFIER 800W 2-CHANNEL with DSP and BLUETOOTH

Model: PMA800DSP User Manual



SAFETY

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of any polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two prongs and a third grounding point. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
16. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
17. The mains plug of the power supply cord shall remain readily operable.

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. The unit should be connected to an earth grounded AC electrical socket. The unit should be operated in a well ventilated area. Minimum clearance is 2 inches from the ventilation openings.

Note: Unit is set at the factory for 120V operation. Be sure to change the fuse (4A rating) before switching to 230V operation.



FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (a) This device may not cause harmful interference.
 - (b) This device must accept any interference received, including interference that may cause undesired operation.
2. FCC Radiation Exposure Statement: Mobile device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Thank you for purchasing the PMA800DSP. It was designed and built to provide years of high quality sound reproduction, and is ideal for use for professional audio and DJ applications.

The amplifier includes features like efficient Class "D" technology, built-in Bluetooth receiver, DSP equalizer presets, 3,000 Hz crossover, independent amplifiers, auto on/off circuitry, and internal protection against shorted speaker loads, thermal faults, and overload conditions.

SPEAKER CONNECTIONS:

There are two sets of speaker leads located at the rear of the amplifier.

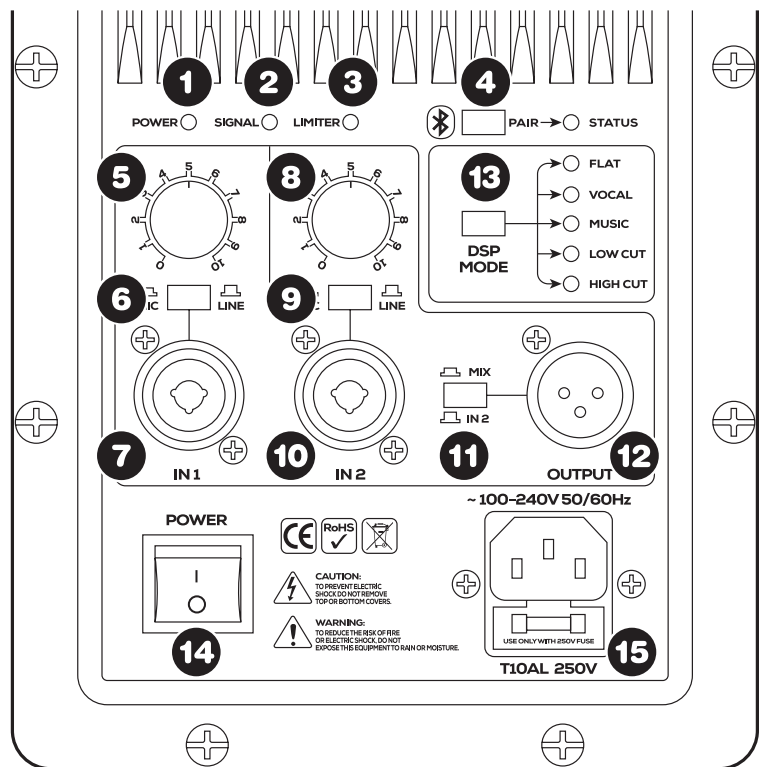
The speaker leads color coded red "+" and black "-", contain an active 12dB/octave high pass filter @ 3,000Hz for the high frequency speaker connection.

The speaker leads color coded blue "+" and black "-", contain an active 12dB/octave low pass filter @ 3,000Hz for the low frequency speaker connection.

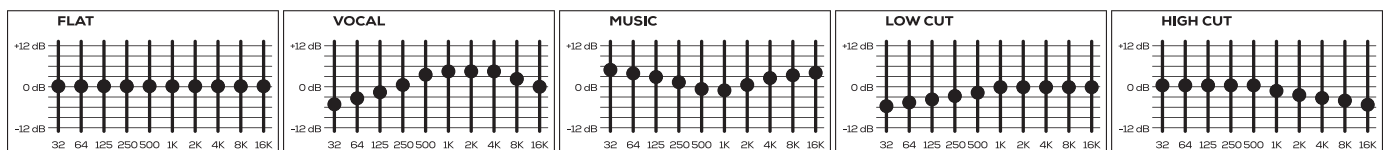
Note: Load on each output must have a nominal impedance of 4 ohm or higher.

PANEL and INPUT/OUTPUT (I/O) DEFINITION

1. **Power Indicator:** Illuminates when the unit is powered on.
2. **Signal Indicator:** Illuminates when signal is present
3. **LIMIT Indicator:** Illuminates just prior to the amp clipping and distorting. Adjust input levels so that this LED illuminates only briefly if at all, during the loudest peaks in your program material. Operating the system with this indicator on frequently or all the time will result in degraded sound quality, and could damage and/or significantly reduce the service life of the components.
4. **Bluetooth Pairing Button:** Press this button to pair your mobile device. Once paired, press again to play. Press and hold for 2-3 seconds to cancel pairing. STATUS indicator will flash rapidly when pairing, illuminate solid when paired, and flash slowly when playing.
5. **Volume Control for INPUT 1**
6. **MIC/LINE Switch for INPUT 1:** Engage when using a microphone; disengage when using a line level source such as a mixing console or other audio device.
7. **Combination Jack for INPUT 1:** Balanced or unbalanced XLR or 1/4" connector.
8. **Volume Control for INPUT 2**
9. **MIC/LINE Switch for INPUT 2:** Engage when using a microphone; disengage when using a line level source such as a mixing console or other audio device.
10. **Combination Jack for INPUT 2:** Balanced or unbalanced XLR or 1/4" connector.
11. **MIX/IN2 Selector Switch:** Engage to send your mixed signal (1&2) to another powered speaker, powered subwoofer, or other device. Disengage to send only the signal from INPUT 2.
12. **OUTPUT Jack:** XLR connector, line level output.
13. **DSP MODE Selector:** Press this button to cycle through the DSP equalizer presets. The adjacent LED indicators will illuminate to indicate which preset is selected as the button is pressed.



14. **Main Power Switch**
15. **IEC Power Jack:** Use included AC power cable.



OPERATION

1. Ensure that all your equipment is OFF, and lower all volume, gain, and level controls before making connections.
2. You may connect a dynamic microphone, or line level audio device (mixing console, CD player, electronic keyboard, etc.) to each of the INPUT 1 and INPUT 2 jacks, using the appropriate cables.
3. Link additional powered speakers or outboard gear with the OUTPUT jack.
4. Turn on your mixer or other audio devices, then turn on this amplifier.
5. Adjust levels of INPUT 1 and INPUT 2 (and OUTPUT selector, if applicable) to suit your needs. Use the volume control on your Bluetooth device to control the level of Bluetooth playback.

SPECIFICATIONS:

Amplifier Type:	Class D
Low Frequency Power Rating:	600W RMS 4Ω/1kHz @ THD+N 1%
High Frequency Power Rating:	200W RMS 4Ω/8kHz @ THD+N 0.1%
Crossover Frequency:	3,000 Hz @ 12 dB/octave
Input Sensitivity:	LINE: 0 dBu MIC: -24 dBu
Dimensions:	15" L x 6-5/16" W x 2-3/4" D
Cutout Dimensions:	14" x 5-1/2"
Weight:	4.8 lbs.

Warranty Information

Dayton Audio products are warranted free from defects in material and workmanship for **5 years** from date of purchase (see exceptions below). 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 express 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. Warranty does not apply to misuse, abuse, neglect, accident, improper use, etc. Dayton Audio reserves the right to repair or replace the products with either a new or factory refurbished unit.

Exception: Dayton Audio HDMI Cables -- No registration, no questions asked LIFETIME warranty. Replacement of Dayton Audio HDMI cables is with equal or better quality HDMI cables. Unassembled Kits - A 45-day return policy applies to unassembled kits. Once assembly has been started or completed, kits are deemed used and are nonreturnable for refund/exchange. This does not limit the manufacturers' warranty policies on any kit component.

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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