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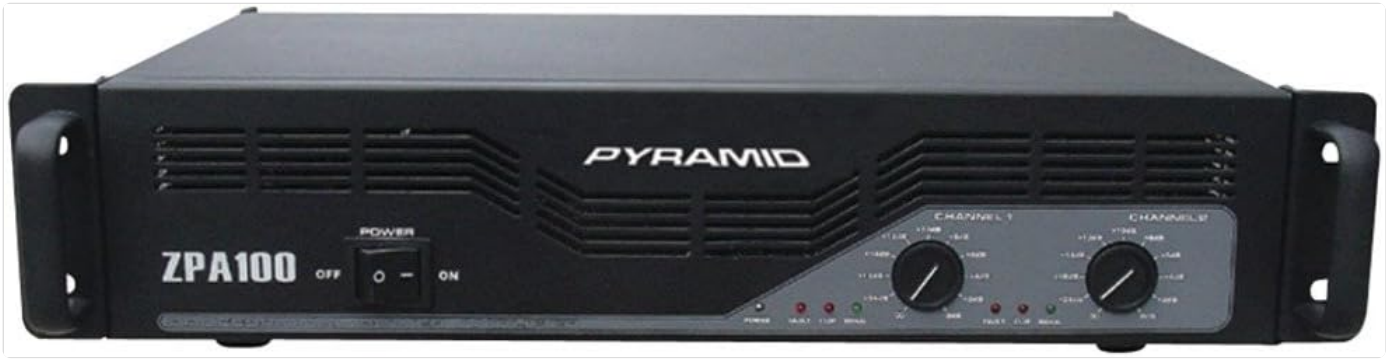
Pyramid ZPA100

Pyramid ZPA100 Stereo Powered Amplifier User Manual

Model: ZPA100

Introduction

Thank you for choosing the Pyramid ZPA100 Stereo Powered Amplifier. This manual provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read it thoroughly before use to ensure optimal performance and longevity of the unit.



Front view of the Pyramid ZPA100 Stereo Powered Amplifier, showing controls and indicators.

Key Features

- LED Output Level Meters for visual monitoring of audio output.
- Dual Output Level Controls for precise volume adjustment.
- Heavy-Duty Fan Cooling system to maintain optimal operating temperature.
- Signal LED Indicator to confirm audio input presence.
- Clip Circuitry with LED Indicator to warn of signal clipping.
- Protection Circuitry with LED Indicator for system safety.

- Stereo/Mono Selector for flexible audio configurations.
- RCA Inputs for standard audio source connections.
- Binding Post Speaker Connections and Speakon Outputs for versatile speaker hookups.
- Switched AC Accessory Outlet for convenience.
- 115V/230V Selector for international compatibility.

Setup and Installation

1. Unpacking

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the original packaging for future transport or service needs.

2. Placement

Place the amplifier on a stable, flat surface. Ensure adequate ventilation around the unit, especially around the fan cooling vents, to prevent overheating. Avoid placing it near heat sources or in direct sunlight.

3. Power Connection

1. Before connecting to power, verify the 115V/230V selector switch on the rear panel is set to match your local mains voltage. Incorrect voltage selection can damage the unit.
2. Connect the supplied AC power cord to the amplifier's power inlet and then to a suitable wall outlet.

4. Audio Input Connections

Connect your audio source (e.g., mixer, pre-amplifier) to the amplifier's RCA Inputs on the rear panel. Ensure left and right channels are connected correctly.

5. Speaker Output Connections

The ZPA100 offers both Binding Post Speaker Connections and Speakon Outputs. Choose the appropriate connection type for your speakers.

- **Binding Post:** Connect speaker wires, ensuring correct polarity (+ to + and - to -).
- **Speakon:** Insert the Speakon connector and twist clockwise to lock.

Ensure your speakers' impedance matches the amplifier's output capabilities to prevent damage. Refer to the Specifications section for details.

Operating Instructions

1. Powering On/Off

After all connections are made, turn on your audio source first, then the amplifier. When powering off, turn off the amplifier first, then the audio source.

2. Output Level Controls

Use the Dual Output Level Controls on the front panel to adjust the volume for each channel independently. Start with the controls at their minimum setting and gradually increase to the desired listening level.

3. Stereo/Mono Selector

The Stereo/Mono selector allows you to switch between stereo operation (separate left and right channels) and mono (bridged) operation. Consult your speaker setup and requirements before selecting mono mode, as it typically delivers higher power to a single output.

4. LED Indicators

- **LED Output Level Meters:** Provide a visual representation of the audio signal strength.
- **Signal LED Indicator:** Illuminates when an audio signal is detected at the input.
- **Clip LED Indicator:** Illuminates when the input signal is too strong, causing distortion. Reduce the input level or the amplifier's output level to prevent clipping.
- **Protection LED Indicator:** Illuminates if the amplifier enters protection mode due to overheating, short circuits, or other faults. Turn off the unit, check connections, and allow it to cool before restarting.

5. Switched AC Accessory Outlet

A switched AC accessory outlet is provided on the rear panel for connecting other low-power audio equipment. This outlet is switched with the amplifier's power, turning on and off with the amplifier.

Maintenance

1. Cleaning

Clean the amplifier's exterior with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the finish or internal components. Ensure the unit is powered off and unplugged before cleaning.

2. Ventilation

Regularly check that the heavy-duty fan cooling vents are clear of dust and obstructions. Blocked vents can lead to overheating and trigger the protection circuitry.

3. Storage

If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place, ideally in its original packaging to protect it from dust and physical damage.

Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; Blown fuse; Incorrect voltage selection.	Ensure power cord is securely connected. Turn power switch on. Check and replace fuse if necessary (refer to qualified technician). Verify 115V/230V selector setting.
No sound output	Input cables disconnected; Speaker cables disconnected or incorrect polarity; Output level controls set to minimum; Stereo/Mono selector incorrect; Protection mode active.	Check all input and speaker cable connections. Ensure correct speaker polarity. Increase output level controls. Verify Stereo/Mono setting. If Protection LED is on, refer to its solution.

Problem	Possible Cause	Solution
Distorted sound	Input signal too high (clipping); Speaker impedance mismatch; Damaged speaker.	Reduce input signal level or amplifier output level (Clip LED will indicate). Ensure speaker impedance is compatible. Test with different speakers if possible.
Amplifier overheats / Protection LED on	Insufficient ventilation; Speaker impedance too low; Short circuit in speaker wiring.	Ensure cooling vents are clear. Verify speaker impedance. Check speaker wiring for shorts. Turn off unit, allow to cool, then restart.
One channel not working	Faulty input cable; Faulty speaker cable; Internal amplifier issue.	Swap input cables to determine if the issue is with the source or cable. Swap speaker cables. If problem persists, contact support.

Specifications

Model	ZPA100
Power Output	1000 Watts (Peak/Bridged at 4 Ohms)
THD (Total Harmonic Distortion)	1% at Rated Output Power
Frequency Response	20 Hz - 20 KHz
S/N Ratio (Signal-to-Noise Ratio)	102 dB
Input Level	+4dB
Voltage Selector	115V / 230V AC
Dimensions (H x W x D)	4.3" x 19" x 13.6" (10.9 cm x 48.3 cm x 34.5 cm)
Weight	17.4 pounds (7.9 kg)

Note: Specifications are subject to change without notice for product improvement.

Warranty Information

The Pyramid ZPA100 Stereo Powered Amplifier comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use.
The warranty does not cover damage caused by:

- Improper installation or operation.
- Accident, abuse, misuse, or neglect.
- Unauthorized repair or modification.

- Power surges or lightning damage.

Please retain your proof of purchase for warranty claims.

Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact Pyramid customer support. For the most up-to-date contact information, please visit the official Pyramid website or refer to your purchase documentation.
When contacting support, please have your model number (ZPA100) and proof of purchase readily available.

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