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> Bose PowerSpace P2600A Power Amplifier User Manual

Bose P2600A

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Model: P2600A

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Bose PowerSpace P2600A Power Amplifier. The P2600A is designed for professional audio applications, offering reliable power and versatile connectivity for zone-expansion applications.

For more information, visit the [Bose Store](#).

PRODUCT OVERVIEW



Figure 1: Front panel of the Bose PowerSpace P2600A Power Amplifier, showing the power button, signal and limit indicators, and ventilation grilles. The amplifier is a rack-mountable unit with mounting ears on both sides.

The Bose PowerSpace P2600A is a 2 x 600-watt low-/high-impedance power amplifier featuring load-independent outputs. It includes 8-channel AmpLink I/O and an Auto-Stby function for energy efficiency. This amplifier is ideal for expanding audio zones in commercial installations.

SETUP

1. Unpacking and Inspection

- Carefully remove the amplifier from its packaging.
- Inspect the unit for any signs of damage during transit. If damage is found, contact your dealer immediately.
- Retain the original packaging for future transport or storage.

2. Rack Mounting

The P2600A is designed for standard 19-inch equipment rack mounting. Ensure adequate ventilation space around the unit.

1. Secure the amplifier to the rack rails using appropriate rack screws.
2. Ensure the front panel is flush with the rack for proper airflow.

3. Electrical Connections

- Connect the power cord to the AC inlet on the rear panel and then to a grounded power outlet.
- Verify that the power supply voltage matches the amplifier's requirements.

4. Audio Connections

- Connect audio sources to the input connectors on the rear panel.
- Connect loudspeakers to the output terminals, ensuring correct polarity and impedance matching (low-impedance or high-impedance as required).
- Utilize the 8-channel AmpLink I/O for digital audio networking if applicable.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To power on, press the **POWER** button on the front panel. The power indicator will illuminate.
- To power off, press and hold the **POWER** button until the unit shuts down.
- The amplifier features **Auto-Stby** mode, which automatically puts the unit into a low-power standby state when no audio signal is detected for a period, and wakes it up upon signal detection.

2. Monitoring Indicators

- **SIGNAL** indicators: These LEDs illuminate when an audio signal is present on the corresponding channel.
- **LIMIT** indicators: These LEDs illuminate when the output signal is approaching or reaching clipping. Reduce input level if these indicators are frequently lit.

3. Volume and Gain Control

Adjust input gain and output levels using the controls on the rear panel or via connected control systems. Refer to the detailed wiring diagrams for specific configurations.

MAINTENANCE

1. Cleaning

- Disconnect the amplifier from power before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- Do not use liquid cleaners or aerosols, as they may damage the finish or internal components.
- Ensure ventilation grilles are free from dust and debris to maintain proper airflow.

2. Ventilation

Proper ventilation is crucial for the amplifier's longevity. Ensure that the front and rear panels, especially the ventilation grilles, are not obstructed. Maintain adequate space around the unit in a rack installation.

3. Firmware Updates

Periodically check the Bose professional website for any available firmware updates for the P2600A. Follow the instructions provided with the update package carefully.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cord disconnected; Power outlet faulty; Internal fuse blown.	Check power cord connection; Test power outlet; Contact service center if fuse is suspected.
No Audio Output	Input cables disconnected; Output cables disconnected; Incorrect input selection; Amplifier in standby mode.	Verify all audio cable connections; Check input source; Ensure amplifier is powered on and not in standby.
Distorted Audio / LIMIT LED constantly lit	Input signal too high; Speaker impedance mismatch; Overheating.	Reduce input signal level; Verify speaker impedance matches amplifier output; Ensure proper ventilation.
Unit shuts down unexpectedly	Overheating; Short circuit on output.	Check ventilation; Inspect speaker wiring for shorts; Allow unit to cool down.

If the problem persists after attempting these solutions, please contact Bose customer support or an authorized service center.

SPECIFICATIONS

Model: Bose PowerSpace P2600A

Part Number: 803286-1110

Output Power: 2 x 600 watts (Low-/High-impedance)

Inputs: 8-channel AmpLink I/O

Features: Load-independent Outputs, Auto-Stby

Dimensions (LxWxH): 62.4 x 55.8 x 14.4 Centimeters

Weight: 8 kg 460 g

Manufacturer: Bose

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Bose website. For technical support, service, or replacement parts, contact your authorized Bose dealer or Bose customer service.

Online resources and FAQs may also be available on the [Bose Store](#) or official Bose support pages.



