OSD Audio XMP100BT-GEN2

OSD Audio XMP100 GEN2 Stereo Amplifier User Manual

Model: XMP100BT-GEN2

1. INTRODUCTION

Thank you for choosing the OSD Audio XMP100 GEN2 Stereo Amplifier. This manual provides detailed instructions for the proper installation, operation, and maintenance of your amplifier. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The XMP100 GEN2 is a high-power Class D stereo amplifier designed for versatile audio applications. Key features include:

- High-Power Output: Delivers 2 x 100 Watts RMS at 4 Ohms, or 1 x 200 Watts at 8 Ohms when bridged, suitable for various speaker configurations.
- Wireless Connectivity: Integrated Bluetooth for seamless audio streaming from compatible devices.
- Flexible Inputs: Multiple input options including RCA Line In and USB, with automatic switching capability.
- Customizable Audio: Independent bass and treble controls for fine-tuning your sound experience.
- Efficient Design: Class D amplification technology ensures high efficiency and reliable performance.
- Multi-Room Audio Support: Connect and switch between two pairs of speakers (A/B) for flexible audio distribution.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the unit and ensure user safety:

- **Power Source:** Connect the unit only to the type of power source indicated on the marking label.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or dripping/splashing liquids.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth only.

3. WHAT'S IN THE BOX

- OSD Audio XMP100 GEN2 Stereo Amplifier
- Power Cable
- Bluetooth Antenna

- Quick Start Guide
- Rack Mount Ears (pre-attached or included separately)

4. PRODUCT OVERVIEW

4.1 Front Panel

The front panel provides access to essential controls for daily operation.

Image: Front view of the OSD Audio XMP100 GEN2 Stereo Amplifier, showing the power button, speaker selector, balance, and volume controls.

1. **Power Button:** Toggles the amplifier on or off.
2. **Speakers A/B Selector:** Allows selection between Speaker A, Speaker B, or both (A+B) speaker zones.
3. **Balance Control:** Adjusts the audio balance between the left and right channels.
4. **Volume Control:** Adjusts the overall output volume.

4.2 Rear Panel

The rear panel houses all input and output connections.

Image: Rear view of the OSD Audio XMP100 GEN2 Stereo Amplifier, displaying all input and output terminals, including RCA, USB, speaker terminals, and power input.

1. **USB Input:** For connecting USB audio sources.
2. **Bluetooth Antenna:** Connect the included antenna for wireless Bluetooth reception.
3. **RCA Line Inputs (PAIR, INTER, MAIN, LINE):** Connect various audio sources using RCA cables. The amplifier features automatic input switching.
4. **RCA Line Output:** For connecting to another amplifier or audio device.
5. **Trigger In/Out:** 12V trigger connections for integrating with other system components.
6. **Stereo/Bridge Switch:** Selects between stereo output or bridged mono output.
7. **Bass/Treble Controls:** Recessed controls for adjusting bass and treble levels.
8. **Speaker Outputs (A & B):** Connect your speakers to these terminals.
9. **AC Power Input:** Connect the supplied power cable here.

5. SETUP

5.1 Unpacking and Placement

Carefully remove the amplifier from its packaging. The XMP100 GEN2 is designed to be rack-mountable. Ensure it is placed on a stable, level surface or securely mounted in a standard 19-inch audio rack. Allow adequate space around the unit for ventilation.

Image: Close-up view of the rack mount ears on the OSD Audio XMP100 GEN2 amplifier, indicating its rack-mountable design.

5.2 Connecting Speakers

The amplifier supports two pairs of speakers (A and B) and can operate in stereo or bridged mono mode.

Image: Close-up of the speaker wire terminals on the rear panel of the OSD Audio XMP100 GEN2 amplifier, showing connections for Speaker A and Speaker B.

- **Stereo Mode:** For standard stereo operation, ensure the "STEREO/BRIDGE" switch on the rear panel is set to "STEREO". Connect your left speaker to the "LEFT" terminals and your right speaker to the "RIGHT" terminals for both Speaker A and Speaker B zones. Observe correct polarity (+ to + and - to -).
- **Bridged Mono Mode:** For higher power output to a single speaker (e.g., a subwoofer), set the "STEREO/BRIDGE" switch to "BRIDGE". Connect the speaker to the designated bridged terminals (typically the two positive terminals, consult the quick start guide for exact configuration). In bridged mode, the amplifier delivers 1 x 200 Watts at 8 Ohms.

5.3 Connecting Audio Sources

- **RCA Inputs:** Connect your audio sources (e.g., CD player, streamer, pre-amplifier) to the "PAIR", "INTER", "MAIN", or "LINE" RCA inputs on the rear panel. The amplifier features automatic input switching, prioritizing active inputs.
- **USB Input:** Connect a USB audio source to the USB port on the rear panel.
- **Bluetooth:** Screw the provided Bluetooth antenna onto the connector on the rear panel. This enables wireless audio streaming.

Image: Close-up of the Bluetooth antenna connection and RCA input jacks on the rear panel of the OSD Audio XMP100 GEN2 amplifier.

5.4 Power Connection

Connect the supplied AC power cable to the AC power input on the rear panel of the amplifier, then plug the other end into a standard wall outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **POWER** button on the front panel to turn the amplifier on or off. The power indicator light will illuminate when the unit is on.

6.2 Input Selection

The amplifier automatically detects and switches to an active input. If multiple inputs are active, the amplifier may prioritize certain inputs. For Bluetooth, ensure it is paired and streaming.

6.3 Volume Control

Rotate the **VOLUME** knob on the front panel clockwise to increase volume and counter-clockwise to decrease it.

6.4 Bass and Treble Adjustment

Use the recessed **BASS** and **TREBLE** controls on the rear panel to fine-tune the low and high frequencies of your audio output. A small screwdriver may be needed to adjust these controls.

6.5 Bluetooth Pairing

1. Ensure the Bluetooth antenna is securely connected.
2. Turn on the amplifier.
3. On your Bluetooth-enabled device (e.g., smartphone, tablet), go to the Bluetooth settings.
4. Search for available devices. The amplifier should appear as "OSD XMP100BT" or similar.
5. Select the amplifier to pair. Once paired, you can stream audio wirelessly.

6.6 Speaker Zone Selection

Use the **SPEAKERS A/B** button on the front panel to select which speaker zone(s) are active:

- Press once for Speaker A.
- Press again for Speaker B.
- Press a third time for both Speaker A and Speaker B (A+B).

6.7 Trigger Function

The 12V Trigger In/Out ports allow the amplifier to be turned on/off automatically by other compatible audio equipment, or to control other devices. Connect a 12V trigger cable from a source device to the "TRIGGER IN" port, or from the "TRIGGER OUT" port to a controlled device.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris to prevent overheating.
- **Connections:** Ensure all cable connections are secure and free from corrosion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Wall outlet not active; Amplifier in standby mode.	Check power cable connection; Test wall outlet; Press power button on front panel.
No sound output	Incorrect input selected; Speaker cables loose or incorrectly connected; Volume too low; Speakers A/B not selected.	Verify input source; Check all speaker connections and polarity; Increase volume; Select desired speaker zone (A, B, or A+B).
Distorted sound	Volume too high; Source audio distorted; Speaker impedance mismatch.	Reduce volume; Check audio source; Ensure speakers are compatible with amplifier impedance (4-8 Ohms).
Bluetooth not connecting	Bluetooth antenna not connected; Device not in pairing mode; Amplifier not discoverable.	Ensure antenna is connected; Put device in pairing mode; Restart amplifier and device.

9. SPECIFICATIONS

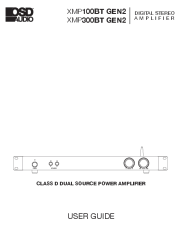| Feature	Detail
Model Number	XMP100BT-GEN2
Brand	OSD Audio
Amplifier Type	Class D
Channels	2
Power Output (Stereo)	2 x 100 Watts RMS at 4 Ohms
Power Output (Bridged)	1 x 200 Watts at 8 Ohms
Signal-to-Noise Ratio (SNR)	90 dB
Inputs	RCA Line In (PAIR, INTER, MAIN, LINE), USB, Bluetooth
Outputs	RCA Line Out, Speaker Outputs (A & B)
Controls	Power, Speakers A/B, Balance, Volume, Bass, Treble
Special Features	12V Trigger In/Out, Automatic Input Switching, Rack Mountable

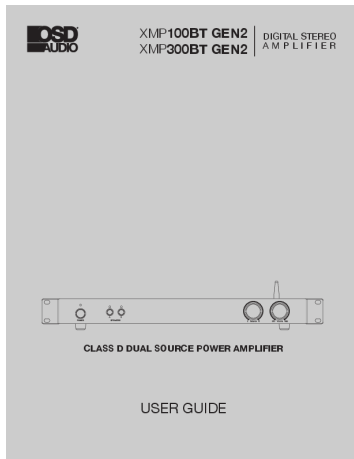| Feature	Detail
Product Dimensions (L x W x H)	16.92 x 6.27 x 1.73 inches
Item Weight	5.95 Pounds
Manufacturer	OSD Audio

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official OSD Audio website or contact their customer service department. You can find more information and contact details on the OSD Audio Brand Store.
Please retain your proof of purchase for any warranty claims.

Related Documents - XMP100BT-GEN2

OSD Audio XMP100BT GEN2 / XMP300BT GEN2 Digital Stereo Amplifier User Guide
User guide for the OSD Audio XMP100BT GEN2 and XMP300BT GEN2 digital stereo amplifiers, covering safety instructions, features, front and rear panel descriptions, setup, specifications, and warranty information.

OSD Audio XMP300BT Gen2 / XMP100BT Gen2 Stereo Power Amplifiers - Owner's Manual
Detailed owner's manual for OSD Audio XMP300BT Gen2 and XMP100BT Gen2 stereo power amplifiers, covering features, setup, specifications, applications, safety instructions, warranty, and FCC compliance.

Documents - OSD Audio – XMP100BT-GEN2

[OSD Audio XMP100BT GEN2 / XMP300BT GEN2 Digital Stereo Amplifier User Guide](#)

User guide for the OSD Audio XMP100BT GEN2 and XMP300BT GEN2 digital stereo amplifiers, covering safety instructions, features, front and rear panel descriptions, setup, specifications, and warranty information.

lang:en score:39 filesize: 1.15 M page_count: 8 document date: 2024-07-02

[OSD Audio XMP300BT Gen2 / XMP100BT Gen2 Stereo Power Amplifiers - Owner's Manual](#)

Detailed owner's manual for OSD Audio XMP300BT Gen2 and XMP100BT Gen2 stereo power amplifiers, covering features, setup, specifications, applications, safety instructions, warranty, and FCC compliance.

lang:en score:35 filesize: 1.89 M page_count: 9 document date: 2024-07-09

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XMP300BT Gen2 / XMP100BT Gen2 Stereo Power Amplifiers OWNERS S MANUAL Cover Sheet 775 Columbia St, Brea, CA 92821 www.osdaudio.com XMP100BT Gen2 / XMP300BT Gen2 FEATURES: XMP100BT Gen2 / XMP300BT Gen2 Automatic Source Switching Interrupt-Priority/Main Main Input with Main Output Pass thru S...

lang:en score:35 filesize: 1.84 M page_count: 9 document date: 2024-07-23