Fosi Audio V1.0G

Fosi Audio V1.0G 2-Channel Class D Mini Stereo Amplifier

User Manual

1. Introduction

Thank you for choosing the Fosi Audio V1.0G 2-Channel Class D Mini Stereo Amplifier. This compact and efficient amplifier is designed to deliver high-quality audio for your home speaker system. Featuring the Texas Instruments TPA3116D2 chip, it provides 50W x 2 output power, ensuring clear and dynamic sound reproduction. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you get the most out of your amplifier.



Figure 1: Fosi Audio V1.0G Mini Stereo Amplifier, showcasing its compact design.

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Video 1: Overview of the Fosi Audio V1.0G 2-Channel Class D Mini Stereo Amplifier, highlighting its features and compact size.

2. Important Safety Instructions

- Read all instructions carefully before operating the device.
- Keep this manual for future reference.
- Do not expose this appliance to rain or moisture.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this appliance during lightning storms or when unused for long periods of time.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

3. Package Contents

Please check that all items are included in your package:

- Fosi Audio V1.0G Home Integrated Amplifier x1
- Power Adapter x1
- AC Cord x1
- User Manual x1



Figure 2: Contents of the Fosi Audio V1.0G package, including the amplifier unit, power adapter, AC cord, and user manual.

4. Product Overview

4.1 Front and Rear Panel Overview



Figure 3: Diagram of the Fosi Audio V1.0G amplifier's front and rear panels, showing all controls and connection ports.

- **Power Switch:** Toggles the amplifier on/off.
- **Power Indicator Light:** Illuminates when the amplifier is powered on.
- **Volume Control:** Adjusts the output volume.
- **RCA Input (Line In):** Connect your audio source (e.g., CD player, DAC, PC, TV) using RCA cables.
- **Speaker Outputs:** Connect your passive speakers using speaker wire. Ensure correct polarity (+ to + and - to -).
- **DC 12-24V Input:** Connect the provided power adapter here.

5. Setup Guide

Follow these steps to set up your Fosi Audio V1.0G amplifier:

1. **Connect Audio Source:** Use an RCA cable to connect your audio source (e.g., smartphone, tablet, PC, TV, PS4, DVD player) to the "Line In" RCA inputs on the rear panel of the V1.0G amplifier.
2. **Connect Speakers:** Connect your passive speakers to the "Speakers" output terminals on the rear panel. Ensure

that the positive (+) terminal on the amplifier connects to the positive (+) terminal on your speaker, and the negative (-) terminal on the amplifier connects to the negative (-) terminal on your speaker. Incorrect polarity can affect sound quality.

3. **Connect Power:** Connect the provided power adapter to the "DC 12-24V" input on the rear panel, then plug the AC cord into a wall outlet.
4. **Power On:** Flip the power switch on the front panel to the "On" position. The power indicator light will illuminate.
5. **Adjust Volume:** Turn the volume knob clockwise to increase the volume and counter-clockwise to decrease it.



Figure 4: Diagram illustrating the connection of an audio source and passive speakers to the Fosi Audio V1.0G amplifier.

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Video 2: Step-by-step guide on how to connect passive speakers to the Fosi Audio V1.0G amplifier, including RCA input and speaker wire connections.

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Video 3: Demonstration of how to stream Hi-Fi music to your stereo system using the Fosi Audio V1.0G amplifier, showing various audio source connections.

6. Operating Instructions

Once the amplifier is set up, operating it is straightforward:

- **Power On/Off:** Use the toggle switch on the front panel to turn the amplifier on or off. The red indicator light confirms the power status.
- **Volume Adjustment:** Rotate the large knob on the front panel to control the master volume. Start with a low volume and gradually increase it to a comfortable listening level.
- **Audio Playback:** Begin playback from your connected audio source. The amplifier will automatically output the sound through the connected passive speakers.
- **Optimal Performance:** For best audio quality, ensure your audio source provides a clean signal. The V1.0G is designed for low power loss and cool operation, making it suitable for extended listening sessions.

7. Specifications



Figure 5: The Fosi Audio V1.0G amplifier, highlighting the integrated Texas Instruments TPA3116D2 chip for high-fidelity audio.

Feature	Detail
Model	V1.0G
Chipset	Texas Instruments TPA3116D2
Output Power	50W x 2
Number of Channels	2
Input Voltage	DC 12V - 24V
Material	Aluminum
Item Dimensions (L x W x H)	5 x 3 x 1 inches
Safety Certification	FCC

8. Troubleshooting

If you encounter any issues, please refer to the following common problems and solutions:

1. **No Sound:**
    - Ensure the power adapter is securely connected and the power indicator light is on.
    - Check all audio cable connections (RCA, speaker wires) for proper seating and correct polarity.
    - Verify that your audio source is playing and its volume is turned up.
    - Confirm that the amplifier's volume knob is not at its minimum setting.
2. **Distorted Sound:**
    - Reduce the volume on both the amplifier and your audio source. Excessive volume can cause distortion.
    - Check speaker wire connections for any loose strands or short circuits.
    - Ensure your speakers are compatible with the amplifier's power output (50W x 2).
3. **Humming or Hissing Noise:**
    - Ensure all cables are properly shielded and away from power cables or other electronic devices that might cause interference.
    - Try connecting the amplifier to a different power outlet.
    - Disconnect the audio input cable; if the noise disappears, the issue might be with your audio source or cable.
4. **Power Indicator Light Off:**
    - Check the power adapter and AC cord connections.
    - Ensure the power switch is in the "On" position.
    - Try a different power outlet.

If the problem persists, please contact Fosi Audio customer support for assistance.

9. Maintenance

To ensure the longevity and optimal performance of your Fosi Audio V1.0G amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the amplifier. Do not use liquid cleaners or aerosol sprays, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area. Do not block the ventilation holes.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep cables organized and free from kinks or excessive tension to prevent damage.

10. Warranty & Support

10.1 Warranty Information

The Fosi Audio V1.0G amplifier comes with a**24-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

10.2 Customer Support

For technical support, warranty claims, or any questions regarding your Fosi Audio V1.0G amplifier, please contact Fosi

Audio customer service through their official website or the platform where you purchased the product. You can visit the Fosi Audio Store on Amazon for more information and contact options.

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