

Fosi Audio ZA3

Fosi Audio ZA3 Amplifier & XLR Cable User Manual

Model: ZA3

1. INTRODUCTION

Thank you for choosing the Fosi Audio ZA3 Balanced Stereo/Mono Amplifier and Fosi Audio XLR Cables. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new audio equipment. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

The Fosi Audio ZA3 is a versatile mini amplifier designed for home audio systems, offering both stereo and mono modes with advanced connectivity options. The included XLR cables are engineered for superior durability and performance, ensuring a clean audio signal.

2. PRODUCT FEATURES

- **Dual-Mode Innovation:** The ZA3 amplifier supports both stereo and mono modes, allowing flexible adaptation to various audio setups. It delivers up to 180W in stereo mode and a maximum of 235W in mono mode. Two ZA3 units can be paired for a powerful mono configuration.
- **Richer Connectivity:** Features balanced input with XLR and 1/4" TRS plugs, minimizing interference and reducing noise. Includes a 12V trigger-in connector for synchronized power control with other devices.
- **Advanced Heat Dissipation:** Upgraded cooling system with a larger chassis, side vents, and dust covers ensures sustained and stable high power output.
- **Premium Cable Construction:** The XLR cables are made with nylon braiding, PVC coating, copper foil shielding, anti-pull threads, and oxygen-free copper braiding shielding for superior durability and performance.
- **Versatile Compatibility:** Compatible with Fosi Audio ZA3 stereo amplifier and ZD3 DAC Preamp, suitable for professional audio setups including microphones, mixers, and audio interfaces.

3. PRODUCT OVERVIEW & COMPONENTS



Figure 3.1: The Fosi Audio ZA3 amplifier (left) and the included XLR cables (right). The amplifier features a compact black chassis with an orange volume knob and input/mode switches. The XLR cables are black braided with metallic connectors.

Front and Rear Panel Overview

Versatile Inputs and Outputs with Effortless Controls



Figure 3.2: Detailed overview of the Fosi Audio ZA3 amplifier's front and rear panels. The front panel includes an XLR/RCA input mode switch, a power/volume knob, and a Mono/Stereo output mode switch. The rear panel features XLR balanced inputs, RCA inputs, Subwoofer Out, Speaker Out, 12V Trigger In, and Power In.

Flawless XLR Balanced Input Support

Pure Audio Quality, Embarking on a High-Definition Adventure



Figure 3.3: A close-up view of the rear panel of the Fosi Audio ZA3 amplifier, highlighting the XLR and RCA input ports. This image demonstrates the 'Richer Connectivity' feature, showing the balanced XLR inputs (left and right) and the standard RCA inputs (left and right), along with the subwoofer and speaker outputs.



Figure 3.4: A detailed view of the connectors on the Fosi Audio XLR cable. The image shows the robust metallic construction of the 3-pin XLR male and female connectors, emphasizing the quality and durability of the included cables.

Audiophile-Grade Components

Meticulous Selection for Extraordinary Sound Quality

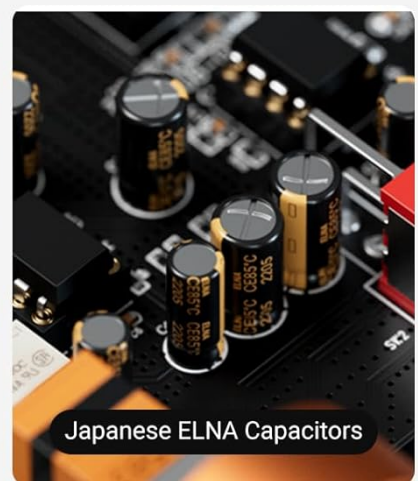
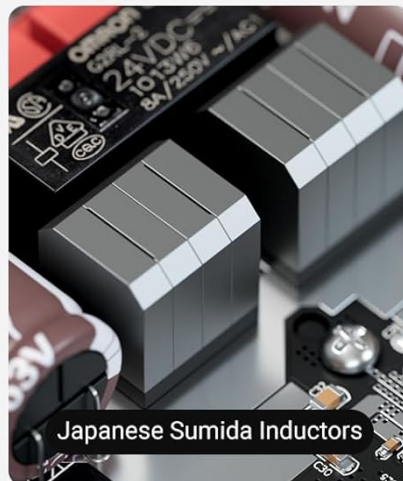
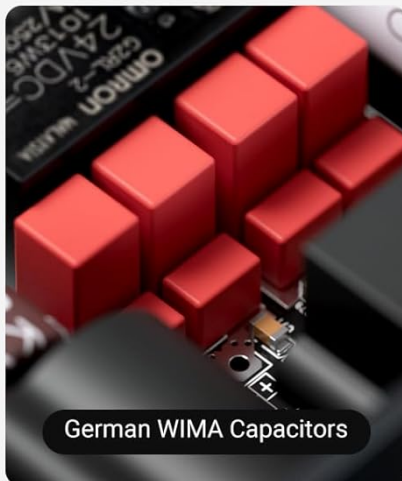
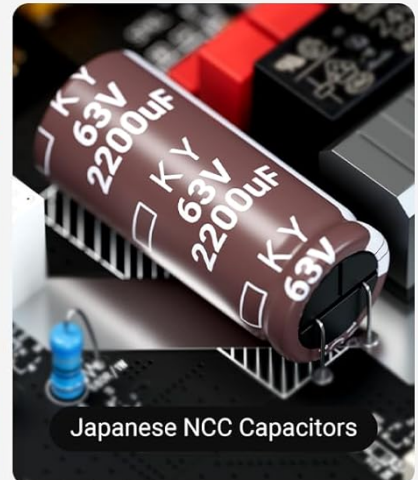
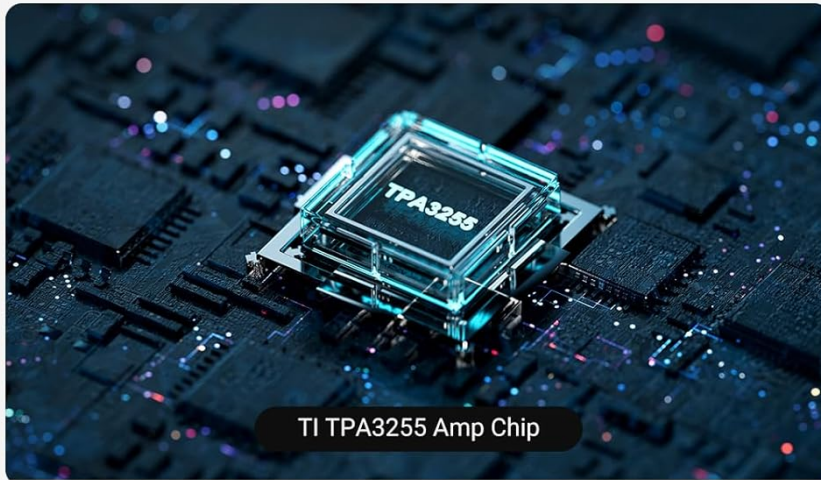


Figure 3.5: An internal view showcasing the audiophile-grade components used in the Fosi Audio ZA3 amplifier. This includes the TI TPA3255 Amp Chip, Japanese NCC Capacitors, German WIMA Capacitors, Japanese Sumida Inductors, and Japanese ELNA Capacitors, all selected for extraordinary sound quality.

Advanced Heat Dissipation System

Side Ventilation Plus Whole-Chassis Heat Sink Design



Figure 3.6: A diagram illustrating the advanced heat dissipation system of the Fosi Audio ZA3 amplifier. The design incorporates side ventilation and a whole-chassis heat sink to ensure efficient cooling and stable performance, even during high power output.

4. SETUP GUIDE

4.1 Unpacking

Carefully remove all components from the packaging. Verify that all items listed in the product description are present. Keep the packaging for future transport or storage.

4.2 Connecting Audio Sources

The ZA3 amplifier supports both XLR balanced inputs and RCA inputs.

- **XLR Input:** Use the provided XLR cables to connect your balanced audio source (e.g., DAC, mixer) to the XLR IN ports on the rear panel of the ZA3. Ensure the cables are securely connected to the left (L) and right (R) channels.
- **RCA Input:** Alternatively, connect your RCA audio source to the RCA IN ports on the rear panel.

Use the XLR/RCA input mode switch on the front panel to select the active input source.

4.3 Connecting Speakers

The ZA3 amplifier offers flexible speaker connection options for both stereo and mono modes.

- **Stereo Mode:** Connect your left and right passive speakers to the SPEAKER OUT terminals on the rear panel. Ensure correct polarity (+ to + and - to -).
- **Mono Mode (PBTL):** For higher power output, you can configure the ZA3 in mono mode. Connect a single speaker to the MONO SPEAKER OUT terminals. If using two ZA3 units for a stereo mono setup, connect one speaker to each ZA3 unit configured in mono mode.

Use the Mono/Stereo output mode switch on the front panel to select the desired output configuration.

4.4 Power Connection

Connect the provided power adapter to the DC 24-48V Power In port on the rear panel of the amplifier. Plug the power adapter into a suitable wall outlet.

4.5 12V Trigger Connection (Optional)

If you have other audio equipment with a 12V trigger output, connect it to the 12V TRIGGER IN port on the ZA3. This allows for synchronized power on/off with other compatible devices.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Once all connections are secure, turn the Power/Volume knob clockwise to power on the amplifier. The indicator light will illuminate. To power off, turn the knob counter-clockwise until it clicks off.

5.2 Mode Selection

Use the Mono/Stereo output mode switch on the front panel to toggle between stereo and mono (PBTL) output modes based on your speaker configuration and desired power output.

5.3 Volume Adjustment

Adjust the audio output level by rotating the Power/Volume knob. Start with a low volume and gradually increase it to a comfortable listening level.

ZA3 Balanced Stereo/Mono Amplifier

Unveiling Next-Generation Power Amp for Home Audio System



Figure 5.1: The Fosi Audio ZA3 amplifier integrated into a typical home audio setup, positioned on a media console between two large floor-standing speakers. This illustrates a common application for the amplifier in a living room environment.

PBTL Mono Mode Support

More Power Output to Elevate Your Experience



Figure 5.2: Two Fosi Audio ZA3 amplifiers set up in a mono configuration, each connected to a bookshelf speaker. This demonstrates the PBTL mono mode support, allowing for increased power output and a dedicated amplifier per channel for enhanced audio performance.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier and cables. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the amplifier's side vents are not obstructed to allow for proper heat dissipation.
- **Storage:** When not in use for extended periods, store the amplifier and cables in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the XLR cables to prevent internal damage.

7. TROUBLESHOOTING

7.1 No Sound Output

- Check if the amplifier is powered on and the indicator light is illuminated.
- Verify that all audio cables (XLR/RCA, speaker cables) are securely connected to both the amplifier and the source/speakers.
- Ensure the correct input source (XLR or RCA) is selected via the front panel switch.
- Confirm that the volume knob is turned up.
- Test with a different audio source or speakers to isolate the issue.

7.2 Distorted Sound

- Reduce the volume level from both the amplifier and the audio source.
- Check for loose or damaged speaker wire connections.
- Ensure the speaker impedance matches the amplifier's specifications.
- Verify that the audio source is not sending an over-amplified signal.

7.3 Amplifier Overheating

- Ensure adequate ventilation around the amplifier. Do not place it in an enclosed space.
- Check that the side vents are not blocked by dust or other objects.
- Reduce the volume or usage time if the amplifier consistently runs hot.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	ZA3
Brand	Fosi Audio
Color	Black
Connector Type	3 Pin XLR, 1/4" TRS
Form Factor	Box
Maximum Power	235 Watts

9. WARRANTY AND SUPPORT

Fosi Audio products are designed for reliability and performance. For any technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Fosi Audio customer support through their official website or the retailer where the product was purchased.

Please retain your proof of purchase for warranty claims.