

Hifonics ZXX-1000.4

Hifonics Zeus ZXX-1000.4 4-Channel Car Audio Amplifier Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hifonics Zeus ZXX-1000.4 4-Channel Car Audio Amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper use and optimal performance. Retain this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before beginning any wiring.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the amplifier securely in a dry, well-ventilated area, away from direct sunlight or heat sources.
- Use appropriate gauge wiring for power, ground, and speaker connections.
- Avoid routing wires near moving parts or sharp edges.
- Do not operate the amplifier if it is damaged or malfunctioning. Refer to a qualified technician.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Hifonics Zeus ZXX-1000.4 1000 Watt, Four Channel Car Audio Amplifier

4. FEATURES

The Hifonics Zeus ZXX-1000.4 amplifier incorporates advanced features for superior audio performance:

- **Nickel Plated Inputs:** High temperature impact resistant with hex screw terminals for secure, erosion-resistant connections.
- **Optimized Low Voltage Circuitry:** Ensures maximum low voltage input to the amplifier circuit with

minimal distortion.

- **High Power Output:** Delivers 4 x 250 watts at 2 Ohms.
- **Adjustable Bass Boost:** Provides 0~12dB of bass enhancement.
- **Variable Low Pass Crossover:** Features a 12dB per octave slope, adjustable from 30Hz to 250Hz.

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your amplifier. If you are unsure about any steps, consult a professional installer.

5.1 Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and provides sufficient space for wiring and air circulation. Avoid mounting on subwoofer enclosures or in areas exposed to direct sunlight or excessive heat.



Figure 1: Hifonics Zeus ZXX-1000.4 Amplifier. This image shows the top view of the amplifier, highlighting its sleek silver finish and the Hifonics Zeus branding.

5.2 Wiring Connections

Ensure all power, ground, remote, and speaker wires are correctly connected. The amplifier features nickel-plated inputs with hex screw terminals for secure connections.



Figure 2: Rear view of the Hifonics Zeus ZXX-1000.4 Amplifier showing power, ground, remote, and speaker output terminals. The terminals are designed for secure wiring connections.

5.3 Official Product Video

Video 1: Hifonics Zeus ZXX Amplifiers Overview. This video provides a general overview of the Hifonics Zeus ZXX amplifier series, showcasing its design and key features relevant to installation and functionality.

6. OPERATING INSTRUCTIONS

The ZXX-1000.4 amplifier offers several controls to fine-tune your audio experience.

6.1 Controls and Adjustments



Figure 3: Top view of the Hifonics Zeus ZXX-1000.4 Amplifier showing the control panel with gain, bass boost, and crossover adjustments.

- **Gain Control:** Adjusts the input sensitivity to match the output of your head unit. Start with the gain at minimum and slowly increase until desired volume is achieved without distortion.
- **Bass Boost:** Use the 0~12dB bass boost control to enhance low-frequency output. Adjust carefully to avoid distortion.
- **Low Pass Crossover (LPF):** This variable filter allows you to set the upper frequency limit for the amplifier's output, typically used for subwoofers. Adjustable from 30Hz to 250Hz at 12dB/octave.

7. SPECIFICATIONS

Feature	Specification
Model Number	ZXX-1000.4
Brand	Hifonics
Number of Channels	4

Feature	Specification
Output Power (RMS @ 2 Ohms)	4 x 250 Watts
Total Output Power	1000 Watts
Bass Boost	0~12dB
Low Pass Crossover	30Hz - 250Hz (12dB/octave)
Mounting Type	Surface Mount

8. TROUBLESHOOTING

If you experience issues with your amplifier, refer to the following common problems and solutions:

- **No Power:** Check all power and ground connections. Ensure the remote turn-on wire is connected and receiving 12V. Verify fuses are intact.
- **No Sound:** Check RCA input connections from the head unit. Verify speaker wire connections and ensure speakers are functioning correctly. Check amplifier gain settings.
- **Distorted Sound:** Reduce the gain setting on the amplifier. Check for proper impedance matching with your speakers. Ensure the head unit's volume is not excessively high.
- **Amplifier Overheating:** Ensure adequate ventilation around the amplifier. Check speaker impedance to ensure it's within the amplifier's rated limits.

For persistent issues, contact Hifonics customer support or a qualified car audio technician.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Hifonics amplifier, follow these maintenance guidelines:

- Regularly inspect all wiring connections for tightness and corrosion.
- Keep the amplifier clean and free of dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the amplifier's cooling fins are not obstructed to allow for proper heat dissipation.

10. WARRANTY AND SUPPORT

Hifonics products are designed and engineered for reliability. For specific warranty details, please refer to the warranty card included with your product or visit the official Hifonics website. For technical support or service inquiries, please contact Hifonics customer service.

	<p>Hifonics ZXX Series Car Amplifier Quick Start Installation Guide</p> <p>This guide provides instructions for installing and setting up Hifonics ZXX series car amplifiers, covering power and speaker connections, chassis ground, signal input, and level setting. It also details various setup controls like input mode, crossover settings, bass boost, and high/low pass filters.</p>
	<p>Hifonics ZXX Series Car Amplifier Quick Start Installation Guide</p> <p>Comprehensive quick start installation guide for Hifonics ZXX series car amplifiers, covering power, ground, speaker connections, and setup adjustments for optimal performance.</p>
	<p>HIFONICS ZXR1200/4E Digital Class D 4-Channel Amplifier User Manual</p> <p>Comprehensive user manual for the HIFONICS ZXR1200/4E Digital Class D 4-Channel Amplifier, covering safety instructions, technical specifications, installation, operation, and troubleshooting.</p>
	<p>HIFONICS ZEUS POWER ZXR800/4E 4-Channel Amplifier User Manual</p> <p>This user manual provides detailed instructions for the HIFONICS ZEUS POWER ZXR800/4E 4-channel digital class D amplifier, covering safety precautions, technical specifications, installation, operation, and troubleshooting.</p>
	<p>HIFONICS ZXR1200/4E 4-Channel Class D Car Amplifier User Manual</p> <p>User manual for the HIFONICS ZXR1200/4E 4-Channel Class D car amplifier, detailing safety, specifications, installation, operation, and troubleshooting for optimal audio performance.</p>
	<p>Hifonics Zeus Power ZXR600/2 2-Channel Amplifier User Manual</p> <p>This manual provides detailed instructions for the installation, operation, and troubleshooting of the Hifonics Zeus Power ZXR600/2 2-channel digital class D amplifier. It covers safety precautions, technical specifications, wiring diagrams, and common issues.</p>