

Nemesis Audio FIERCE-5KD

Nemesis Audio FIERCE-5KD Monoblock Amplifier User Manual

Model: FIERCE-5KD

Brand: Nemesis Audio

INTRODUCTION

Thank you for choosing the Nemesis Audio FIERCE-5KD 1-Channel Monoblock Class-D Car Amplifier. This manual provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read this manual thoroughly before attempting installation or operation to ensure optimal performance and safety.

SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's negative battery terminal before any installation.
- Ensure proper grounding to the vehicle chassis.
- Use appropriate gauge wiring for power, ground, and speaker connections.
- Avoid installing the amplifier in areas exposed to direct sunlight, excessive heat, moisture, or dust.
- Securely mount the amplifier to prevent movement during vehicle operation.
- Consult a professional car audio installer if you are unsure about any part of the installation process.

PRODUCT OVERVIEW

The Nemesis Audio FIERCE-5KD is a high-performance 1-channel (monoblock) Class-D amplifier designed to deliver powerful and clear audio to your subwoofer system. Its compact design and efficient Class-D technology ensure maximum power output with minimal heat generation.



Figure 1: Front view of the Nemesis Audio FIERCE-5KD Monoblock Amplifier, showcasing its compact design and heat sink fins.

Key features include:

- 1-Channel / Monoblock Car Amplifier
- 5000 Watts Max Power Handling
- Class-D Technology for high efficiency

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your amplifier. Follow these steps carefully:

1. Mounting Location

Choose a dry, well-ventilated location away from direct heat sources and moisture. Ensure sufficient airflow around the amplifier for cooling. Securely mount the amplifier using screws to a solid surface in the vehicle.

2. Wiring Connections

Refer to the connection panel on the amplifier. A typical setup involves:

- **Power (B+):** Connect to the positive terminal of the vehicle's battery via an inline fuse (not included, recommended 80A-100A).
- **Ground (GND):** Connect to a clean, unpainted metal point on the vehicle chassis. Ensure a solid connection.
- **Remote (REM):** Connect to the remote turn-on output of your head unit.
- **RCA Inputs:** Connect to the RCA pre-outs of your head unit.
- **Speaker Outputs:** Connect to your subwoofer(s). Ensure correct polarity and impedance matching.



Figure 2: Packaging of the Nemesis Audio FIERCE-5KD amplifier, displaying key specifications and model information on the side.

OPERATING INSTRUCTIONS

Once installed, adjust the amplifier settings for optimal sound performance:

- **Gain Control:** Start with the gain control at minimum. Gradually increase it until the desired volume is achieved without distortion.
- **LPF Crossover:** Adjust the Low Pass Filter (LPF) to control the upper frequency limit of the subwoofer. A common range is 80Hz-120Hz.
- **Bass Boost:** Use the bass boost sparingly. Excessive bass boost can lead to distortion and potential damage to speakers.

SPECIFICATIONS

The Nemesis Audio FIERCE-5KD amplifier features the following technical specifications:

Feature	Value
Max Power @14.4V	5000W
RMS Power @ 1-Ohm	2500W
RMS Power @ 2-Ohm	1750W
RMS Power @ 4-Ohm	1150W
Frequency Response	20Hz - 500Hz
LPF Crossover Range	50Hz - 250Hz
Input Sensitivity	0.2V - 10.0V
Signal / Noise Ratio	90dB
Total Harmonic Distortion (T.H.D.)	0.3%
Product Dimensions (L x W x H)	12.34" x 7.1" x 2.04"
Item Weight	4 pounds

MAINTENANCE

To ensure the longevity and optimal performance of your amplifier:

- Keep the amplifier clean and free of dust. Use a soft, dry cloth for cleaning.
- Ensure proper ventilation around the unit. Do not block cooling fins.
- Periodically check all wiring connections for tightness and corrosion.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Power / No Sound	Blown fuse, loose power/ground/remote wire, amplifier in protection mode.	Check inline fuse, verify all connections are secure, check battery voltage, ensure proper impedance.
Distorted Sound	Gain set too high, improper LPF setting, poor ground connection, speaker impedance mismatch.	Reduce gain, adjust LPF, check ground, verify speaker impedance.
Amplifier Overheats	Insufficient ventilation, impedance too low, prolonged high volume.	Ensure proper airflow, check speaker impedance, reduce volume.

WARRANTY AND SUPPORT

Nemesis Audio products are designed for reliability and performance. For specific warranty information and technical support, please refer to the warranty card included with your product or visit the official Nemesis Audio website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact Nemesis Audio customer support through their official channels.