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› Nemesis Audio NA-10D4 10" 500W RMS Dual 4-Ohm Voice Coil DVC Car Audio Subwoofer User Manual

Nemesis Audio NA-10D4

Nemesis Audio NA-10D4 Car Audio Subwoofer User Manual

Model: NA-10D4

INTRODUCTION

Thank you for choosing the Nemesis Audio NA-10D4 10" Car Audio Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before installation and keep it for future reference.

The NA-10D4 is a high-performance 10-inch subwoofer designed to deliver powerful and clear bass in your vehicle's audio system. Featuring a dual 4-ohm voice coil configuration, it offers flexible wiring options to optimize impedance matching with your amplifier.

PRODUCT FEATURES

- 10-inch (25.4 cm) Subwoofer Diameter
- 500 Watts RMS Maximum Output Power
- Dual 4-Ohm Voice Coil (DVC) for versatile wiring configurations
- Designed for car audio applications
- Wired connectivity for reliable performance
- Dynamic Driver Audio Type

SAFETY INFORMATION

Always disconnect the vehicle's battery before beginning any electrical work. Ensure all wiring is properly insulated and secured to prevent short circuits. Consult a professional car audio installer if you are unsure about any part of the installation process. Operating audio equipment at excessively high volumes can cause permanent hearing damage.

SETUP AND INSTALLATION

1. Unpacking and Inspection

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage during transit. If damage is

found, contact your dealer immediately.

2. Choosing an Enclosure

The NA-10D4 is designed to perform optimally in a sealed or ported enclosure. Refer to recommended enclosure specifications from Nemesis Audio for best results. Proper enclosure design is crucial for sound quality and subwoofer longevity.

3. Wiring Configurations (Dual 4-Ohm Voice Coil)

The NA-10D4 features a Dual 4-Ohm Voice Coil (DVC) design, offering flexibility in wiring to achieve different impedance loads for your amplifier. Always ensure your amplifier is stable at the chosen impedance.

- **Parallel Wiring (2 Ohms):** Connect the positive terminals of both voice coils together, and the negative terminals of both voice coils together. Then connect these combined positive and negative terminals to your amplifier. This configuration presents a 2-ohm load to the amplifier.
- **Series Wiring (8 Ohms):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining positive terminal and negative terminal to your amplifier. This configuration presents an 8-ohm load to the amplifier.



Image: Side view of the NA-10D4 subwoofer, highlighting the dual voice coil terminals for wiring connections. The red and black terminals are clearly visible.

4. Mounting the Subwoofer

Ensure the mounting surface is sturdy and free from obstructions. Use appropriate screws to secure the subwoofer to the enclosure. Do not overtighten screws, as this can damage the speaker frame.



Image: Top view of the Nemesis Audio NA-10D4 subwoofer, showing the cone, surround, and mounting holes. This view is typical when installing the subwoofer into an enclosure.

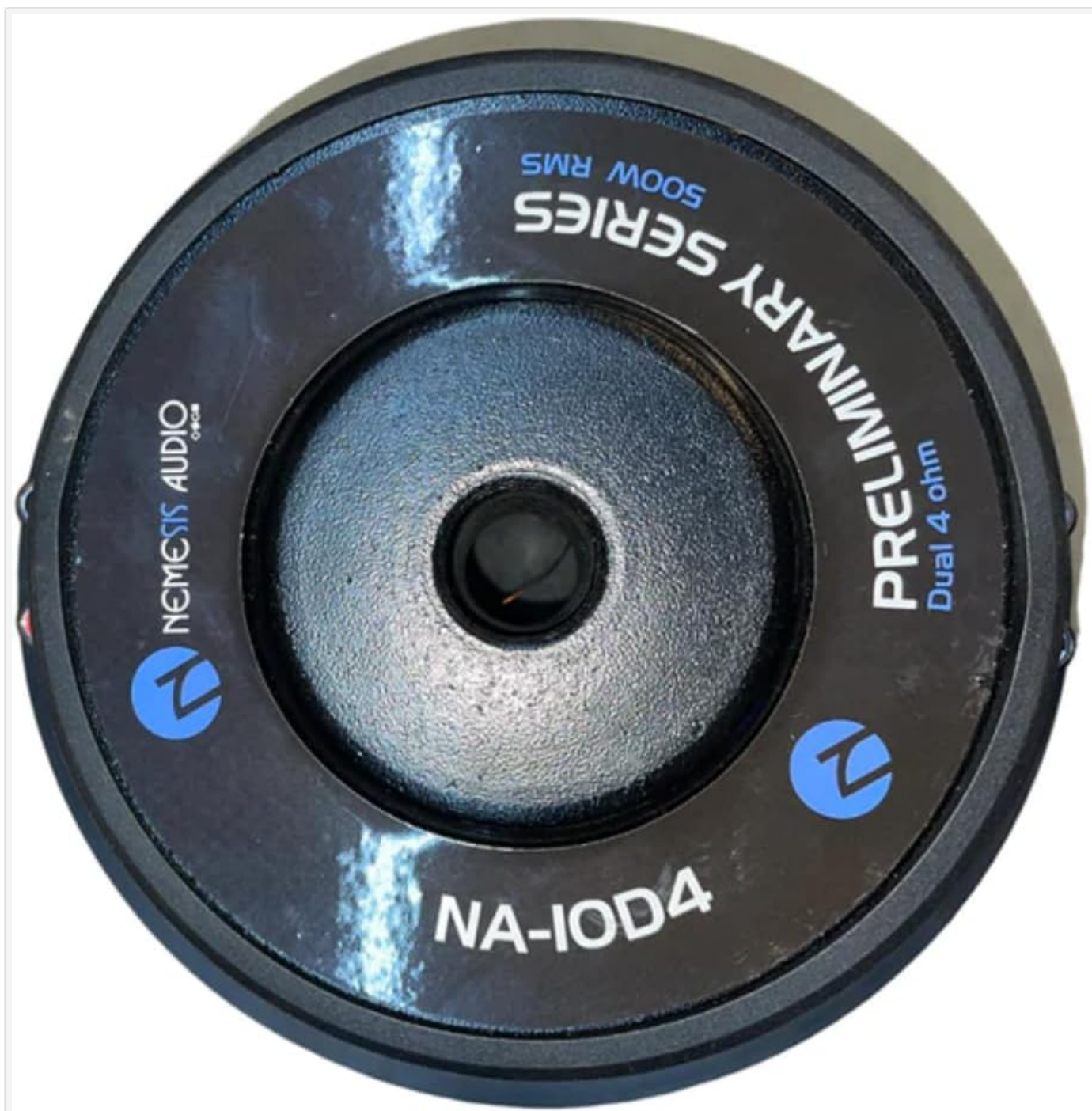


Image: Bottom view of the Nemesis Audio NA-10D4 subwoofer, displaying the magnet structure and product labeling including the model number and series information.

OPERATING INSTRUCTIONS

Once installed, connect your amplifier to the vehicle's head unit and power source according to the amplifier's manual. Ensure all connections are secure before powering on the system.

- **Initial Power-Up:** Start with the amplifier's gain control at its minimum setting. Gradually increase the volume on your head unit.
- **Gain Adjustment:** Adjust the amplifier's gain control carefully. The gain setting should match the output voltage of your head unit, not act as a volume control. Incorrect gain settings can lead to distortion and damage to the subwoofer.
- **Crossover Settings:** Use the low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A typical crossover point for a 10-inch subwoofer is between 60Hz and 100Hz, but this can vary based on your system and preferences.

- **Break-in Period:** Allow a break-in period of approximately 20-30 hours of normal listening before pushing the subwoofer to its limits. This allows the suspension components to loosen up and perform optimally.

MAINTENANCE

The Nemesis Audio NA-10D4 subwoofer requires minimal maintenance. Keep the subwoofer cone and surround free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or solvents. Ensure all wiring connections remain secure over time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound from Subwoofer	<ul style="list-style-type: none"> Power issue to amplifier Loose or incorrect wiring Amplifier in protect mode Head unit settings 	<ul style="list-style-type: none"> Check amplifier power, ground, and remote turn-on connections. Verify all speaker and RCA connections. Check amplifier for fault indicators; disconnect power and reconnect. Ensure subwoofer output is enabled and volume is up.
Distorted Sound	<ul style="list-style-type: none"> Amplifier gain set too high Incorrect crossover settings Damaged subwoofer 	<ul style="list-style-type: none"> Reduce amplifier gain. Adjust LPF settings; ensure no full-range signal is sent. Inspect subwoofer cone and surround for physical damage.
Weak Bass Output	<ul style="list-style-type: none"> Incorrect wiring impedance Improper enclosure size Phase issue 	<ul style="list-style-type: none"> Re-check wiring for correct impedance match with amplifier. Verify enclosure volume matches recommended specifications. Try reversing the phase of the subwoofer (if amplifier/head unit has this feature).

SPECIFICATIONS

Feature	Detail
Model Name	NA-10D4
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches (25.4 cm)
Speaker Maximum Output Power	500 Watts RMS
Impedance	Dual 4 Ohm (DVC)
Surround Sound Channel Configuration	1.0
Connectivity Technology	Wired (DC power cable)
Mounting Type	Flush Mount
Product Dimensions	13 x 13 x 8 inches (approx.)
Water Resistance Level	Not Water Resistant
Manufacturer	Nemesis Audio

WARRANTY INFORMATION

The Nemesis Audio NA-10D4 subwoofer comes with a Limited Warranty. Please refer to the warranty card included with your product or visit the official Nemesis Audio website for detailed terms and conditions regarding warranty coverage, duration, and claims procedures. Keep your proof of purchase for warranty validation.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Nemesis Audio customer support. Contact information can typically be found on the official Nemesis Audio website or on the product packaging.