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Model: NA-10SLM V.2 D4

1. INTRODUCTION

Thank you for choosing the Nemesis Audio NA-10SLM V.2 D4 10-inch Car Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and longevity of your product. Proper installation is crucial for safety and sound quality.

2. PRODUCT FEATURES

The Nemesis Audio NA-10SLM V.2 D4 subwoofer is engineered for powerful and clear bass reproduction in automotive audio systems. Key features include:

- **Power Handling:** 1000 Watts Peak / 500 Watts RMS
- **Magnet:** 75 Oz High-Efficiency Magnet
- **Voice Coil:** 2.5-inch, 4-Layer Dual 4-Ohm Voice Coil
- **T-Yoke:** Chromed, Vented Style for improved air circulation and cooling
- **Terminals:** Binding Post Terminals, long and pressed to accommodate thicker gauge speaker wire
- **Frame:** Durable Die-cast Aluminum Frame
- **Gasket:** Rubber Gasket for secure mounting
- **Efficiency:** 83.8 dB
- **Woofer Diameter:** 10.63 inches
- **Mounting Depth:** 3.54 inches
- **Net Weight:** 13.23 lbs

3. SETUP AND INSTALLATION

Proper installation is critical for the performance and safety of your subwoofer. It is highly recommended that installation be

performed by a qualified professional car audio installer.

3.1 Safety Precautions

- Disconnect the vehicle's battery negative terminal before starting any electrical work.
- Ensure all wiring is properly insulated and secured to prevent shorts and damage.
- Wear appropriate safety gear, including eye protection.
- Avoid mounting the subwoofer in locations that obstruct vehicle operation or safety features.

3.2 Enclosure Requirements

This subwoofer requires a suitable enclosure for optimal performance. Consult with your installer or Nemesis Audio specifications for recommended sealed or ported enclosure volumes. The subwoofer's displacement is approximately 0.05 cubic feet.

3.3 Wiring the Dual 4-Ohm Voice Coils

The NA-10SLM V.2 D4 features dual 4-ohm voice coils, offering flexibility in wiring configurations to match your amplifier's impedance requirements. Common configurations include:

- **1-Ohm Load:** Wire the two 4-ohm voice coils in parallel. This configuration is suitable for amplifiers stable at 1 ohm.
- **8-Ohm Load:** Wire the two 4-ohm voice coils in series. This configuration is suitable for amplifiers stable at 8 ohms.

Refer to your amplifier's manual for its stable impedance ratings. Incorrect wiring can damage both the subwoofer and the amplifier.



Image: Rear view of the Nemesis Audio NA-10SLM V.2 D4 10-inch Car Subwoofer, highlighting the robust frame and binding post terminals for wiring connections.

3.4 Mounting

Ensure the mounting surface is sturdy and free from obstructions. The mounting diameter required is 9.84 inches. Secure the subwoofer firmly using appropriate hardware to prevent movement during vehicle operation.

4. OPERATING INSTRUCTIONS

4.1 Break-in Period

Allow a break-in period of approximately 10-20 hours of normal listening before operating the subwoofer at high volumes. This allows the suspension components to loosen and reach their optimal performance characteristics.

4.2 Amplifier Settings

Properly set your amplifier's gain, crossover, and bass boost settings. Start with the gain at minimum and slowly increase it until the desired volume is achieved without distortion. Set the low-pass filter (LPF) to prevent higher frequencies from

reaching the subwoofer, typically between 60Hz and 100Hz. Avoid excessive bass boost, as this can lead to clipping and damage.

4.3 Listening Levels

While the subwoofer is designed for high power handling, continuous operation at extreme volumes or with distorted signals can cause damage. Listen responsibly and adjust levels to avoid audible distortion.

5. MAINTENANCE

The Nemesis Audio NA-10SLM V.2 D4 subwoofer requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer cone and frame. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Inspect the subwoofer cone and surround for any signs of damage.
- **Environment:** Ensure the subwoofer is installed in a dry environment, as it is not water-resistant.

6. TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound from Subwoofer	<ul style="list-style-type: none">• No power 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; reset if necessary.• Ensure subwoofer output is enabled and volume is up on head unit.
Distorted Sound	<ul style="list-style-type: none">• Amplifier gain set too high• Crossover settings incorrect• Damaged subwoofer• Poor quality audio source	<ul style="list-style-type: none">• Reduce amplifier gain until distortion disappears.• Adjust LPF on amplifier or head unit.• Inspect subwoofer cone and surround for physical damage.• Use high-quality audio files or sources.
Subwoofer Overheating	<ul style="list-style-type: none">• Improper impedance match• Enclosure too small• Excessive power or clipping	<ul style="list-style-type: none">• Verify voice coil wiring matches amplifier's stable impedance.• Ensure enclosure volume meets specifications.• Reduce amplifier gain; avoid prolonged high-volume listening with distorted signals.

If these steps do not resolve the issue, consult a professional car audio technician or contact Nemesis Audio customer

support.

7. SPECIFICATIONS

Detailed technical specifications for the Nemesis Audio NA-10SLM V.2 D4 subwoofer:

Model Name	NA-10SLM V.2 D4
Speaker Type	Subwoofer
Woofer Diameter	10.63 Inches (10-inch nominal)
Power Handling (RMS)	500 Watts
Power Handling (Peak)	1000 Watts
Max Power Output	2000 Watts
Impedance	Dual 4 Ohms
Voice Coil	2.5-inch, 4-Layer
Magnet Weight	75 Oz
Efficiency	83.8 dB
Mounting Diameter	9.84 Inches
Mounting Depth	3.54 Inches
Product Dimensions (L x W x H)	12.5 x 12.5 x 8 inches
Item Weight	13.23 pounds
Material	Rubber, Die-cast Aluminum
Connectivity Technology	Wired (RCA)
Input Voltage	12 Volts (DC)
Water Resistance Level	Not Water Resistant
UPC	764488484324

8. WARRANTY AND SUPPORT

The Nemesis Audio NA-10SLM V.2 D4 subwoofer comes with a limited warranty. For specific details regarding warranty coverage, duration, and claims, please refer to the warranty information provided at the point of purchase or visit the official Nemesis Audio website. Keep your proof of purchase for warranty validation.

For technical support or service inquiries, please contact Nemesis Audio customer service through their official channels. When contacting support, please have your product model number (NA-10SLM V.2 D4) and purchase information readily available.