

[Manuals.plus](#) /

› [Nemesis Audio](#) /

› Nemesis Audio NA-8M Subwoofer User Manual

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Model: NA-8M

INTRODUCTION

Thank you for choosing the Nemesis Audio NA-8M Mystical Series 8-Inch Car Audio Subwoofer. This high-performance subwoofer is designed to deliver powerful and clear bass for your car stereo system. Featuring a robust construction with a dual 4-ohm voice coil, aluminum cast basket, and high-efficiency magnets, the NA-8M is built for durability and superior sound reproduction.

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your NA-8M subwoofer. Please read it thoroughly before installation and keep it for future reference.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure all wiring is correctly connected and insulated to prevent short circuits.
- Disconnect the vehicle's battery before beginning any electrical installation.
- Do not expose the subwoofer to excessive moisture or extreme temperatures.
- Mount the subwoofer securely to prevent movement during vehicle operation.
- Avoid operating the subwoofer at excessively high volumes for prolonged periods, as this can cause hearing damage or damage to the speaker.
- Professional installation is recommended for optimal performance and safety.

WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present:

- Nemesis Audio NA-8M Subwoofer
- Mounting Hardware
- User Manual (this document)

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. It is highly recommended to have the subwoofer installed by a qualified car audio professional.

Mounting the Subwoofer

The NA-8M subwoofer is designed for installation in a suitable enclosure (not included). Ensure the enclosure is properly sized and constructed for an 8-inch subwoofer to achieve optimal acoustic performance. Use the provided mounting hardware to securely fasten the subwoofer to the enclosure.



Image: Front view of the Nemesis Audio NA-8M subwoofer, showcasing the cone and surround with the Nemesis Audio logo.

Wiring Connections

The NA-8M features a Dual 4 Ohm Voice Coil (DVC) design, offering flexibility in wiring configurations (series or parallel) to match your amplifier's impedance requirements. Consult your amplifier's manual for recommended impedance loads.

- **Series Wiring (8 Ohms):** Connect the positive terminal of Voice Coil 1 to the negative terminal of Voice Coil 2. Connect the remaining negative terminal of Voice Coil 1 and the positive terminal of Voice Coil 2 to your amplifier.
- **Parallel Wiring (2 Ohms):** Connect both positive terminals of Voice Coil 1 and Voice Coil 2 together, and both negative terminals together. Connect these combined positive and negative terminals to your amplifier.

Ensure all connections are tight and free from corrosion. Use appropriate gauge speaker wire for your power levels to

prevent signal loss and overheating.



Image: Rear view of the Nemesis Audio NA-8M subwoofer, displaying the dual voice coil terminals for wiring connections.

OPERATING INSTRUCTIONS

Once installed, follow these guidelines for optimal performance and longevity:

- **Break-in Period:** Allow a break-in period of approximately 10-20 hours of moderate use before operating the subwoofer at full power. This allows the suspension components to loosen and perform optimally.
- **Gain Setting:** Properly set the gain on your amplifier to match the output voltage of your head unit. Avoid setting the gain too high, as this can lead to clipping and damage to the subwoofer.
- **Crossover Settings:** Use a low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A typical crossover point for an 8-inch subwoofer is between 60Hz and 100Hz.
- **Subsonic Filter:** If your amplifier has a subsonic filter, enable it and set it slightly below your enclosure's tuning frequency to protect the subwoofer from over-excursion at very low frequencies.
- **Listen for Distortion:** If you hear any distortion, rattling, or unusual noises, immediately reduce the volume. Continued operation with distortion can cause permanent damage.

MAINTENANCE

The Nemesis Audio NA-8M subwoofer requires minimal maintenance to ensure long-term performance:

- **Cleaning:** Periodically wipe the cone and surround with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the speaker terminals and wiring for any signs of corrosion, loose connections, or damage.
- **Enclosure Check:** Ensure the subwoofer enclosure remains sealed and free from air leaks, which can negatively impact performance.

TROUBLESHOOTING

If you encounter issues with your NA-8M subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Subwoofer	◦ Loose or incorrect wiring connections. ◦ Amplifier not powered on or in protect mode. ◦ Head unit settings incorrect (e.g., subwoofer output off). ◦ Blown fuse in amplifier or power wire.	◦ Check all speaker, power, and RCA connections. ◦ Verify amplifier power and status indicator. ◦ Check head unit audio settings. ◦ Inspect and replace any blown fuses.
Distorted or Unclear Bass	◦ Amplifier gain set too high (clipping). ◦ Incorrect crossover settings. ◦ Subwoofer enclosure issues (leaks, improper size). ◦ Damaged subwoofer.	◦ Reduce amplifier gain until distortion disappears. ◦ Adjust LPF and subsonic filter settings. ◦ Inspect enclosure for integrity. ◦ Contact Nemesis Audio support if damage is suspected.
Subwoofer Overheating	◦ Under-powered amplifier (clipping). ◦ Improper impedance match. ◦ Prolonged operation at high volumes.	◦ Ensure amplifier provides sufficient clean power. ◦ Verify correct wiring for 2 or 8 Ohm load. ◦ Reduce listening volume.

If the problem persists after trying these solutions, please contact Nemesis Audio customer support.

SPECIFICATIONS

Model Name	NA-8M
Speaker Type	Subwoofer
Subwoofer Diameter	8 Inches
RMS Power Handling	700 Watts
Voice Coil	Dual 4 Ohm (DVC)

Voice Coil Size	2.5" - 4 Layer CCA Wire
Basket Material	Aluminum Cast
Cone Material	Non-Pressed Paper Cone
Surround Material	Foam Surround
Magnets	3pcs High-Efficiency Y35, Total 160 OZ
Spider	Nomex with Tinsel Woven Leads
Item Weight	17.19 pounds (approx. 275 Ounces)
Product Dimensions	10 x 9 x 9 inches
Manufacturer	Nemesis Audio
Country of Origin	USA

WARRANTY AND SUPPORT

The Nemesis Audio NA-8M 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 and claims.

For technical support, troubleshooting assistance beyond what is covered in this manual, or warranty inquiries, please contact Nemesis Audio customer service. Contact information can typically be found on the manufacturer's website or on your purchase receipt.

Manufacturer: Nemesis Audio

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question