

Nemesis Audio NA-6.9HCX

Nemesis Audio NA-6.9HCX Car Audio Coaxial Speakers User Manual

Model: NA-6.9HCX

INTRODUCTION

Thank you for choosing Nemesis Audio NA-6.9HCX 6" x 9" Coaxial Speakers. These speakers are designed to deliver high-quality stereo sound in your vehicle, featuring a robust carbon fiber cone and a durable rubber edge for enhanced performance and longevity. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and safety.

SAFETY INFORMATION

Please read all safety instructions carefully before installing and operating your speakers. Failure to follow these guidelines may result in damage to the product, vehicle, or personal injury.

- Always disconnect the vehicle's battery negative terminal before beginning any electrical installation to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent pinching, chafing, or shorting.
- Use appropriate gauge wiring for power and speaker connections as recommended by your vehicle's audio system specifications.
- Avoid installing speakers in locations that obstruct vehicle operation, visibility, or safety features.
- Do not expose speakers to excessive moisture or extreme temperatures.
- Seek professional installation if you are unsure about any part of the process.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 2 x Nemesis Audio NA-6.9HCX 6" x 9" Coaxial Speakers
- Mounting Hardware (screws, clips - may vary)
- User Manual (this document)



Image: The Nemesis Audio NA-6.9HCX speakers as they appear in the package. One speaker is shown from the front, highlighting its carbon fiber cone and central tweeter. The other speaker is shown from the rear, displaying the magnet structure and wiring terminals.

SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and speaker longevity. If you are not comfortable with car audio installation, it is recommended to seek professional assistance.

1. Pre-Installation Checks

1. Verify that the speaker size (6" x 9") is compatible with your vehicle's speaker openings.
2. Ensure your car audio amplifier or head unit can safely power 4-ohm speakers with 120W RMS per pair.
3. Gather necessary tools: screwdrivers, wire strippers, crimpers, drill (if needed), and appropriate wiring.

2. Mounting the Speakers

The NA-6.9HCX speakers are designed for standard 6x9 inch mounting locations, typically found in rear decks or door panels.

1. Carefully remove the existing speakers or trim panels to access the mounting location.
2. Position the new speaker in the opening, ensuring it fits flush.
3. Align the mounting holes and secure the speaker using the provided screws. Do not overtighten.



Image: A detailed top view of a single Nemesis Audio NA-6.9HCX speaker, illustrating its oval shape, carbon fiber cone texture, and the integrated tweeter in the center.



Image: A close-up shot focusing on the central tweeter and the intricate weave pattern of the carbon fiber cone, highlighting the speaker's construction.

3. Wiring Connections

Proper polarity is essential for correct sound reproduction. The NA-6.9HCX speakers have clearly marked terminals.

1. Identify the positive (+) and negative (-) terminals on the speaker. The positive terminal is typically marked with a red indicator or a plus sign, and the negative with a black indicator or a minus sign.
2. Connect the positive (+) wire from your amplifier/head unit to the speaker's positive (+) terminal.

3. Connect the negative (-) wire from your amplifier/head unit to the speaker's negative (-) terminal.
4. Ensure all connections are secure and free from loose strands that could cause a short circuit.



Image: The rear of the Nemesis Audio NA-6.9HCX speaker, displaying the robust magnet structure and the clearly labeled red (positive) and black (negative) speaker wire terminals for easy connection.

OPERATING YOUR SPEAKERS

Once installed, your Nemesis Audio NA-6.9HCX speakers are ready for use. Follow these guidelines for optimal performance:

- **Break-in Period:** Allow a short break-in period (approximately 10-20 hours of normal listening) for the speaker's suspension to loosen up, which can improve bass response and overall sound quality.
- **Volume Levels:** Avoid playing music at excessively high volumes for extended periods, as this can lead to speaker damage or distortion. If you hear distortion, reduce the volume immediately.
- **Amplifier Gain:** Ensure your amplifier's gain is set correctly to match the output of your head unit. Incorrect gain settings can lead to clipping and speaker damage.
- **Equalization:** Adjust your head unit's equalizer settings to fine-tune the sound to your preference, but avoid extreme boosts that could over-drive the speakers.

MAINTENANCE

Your Nemesis Audio speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust or dirt from the speaker cones and surrounds. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed.
- **Environment:** Protect speakers from direct sunlight, extreme heat, and moisture, which can degrade materials over time.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or incorrect wiring connection. Amplifier/head unit not powered on or faulty. Speaker damaged.	Check all wiring connections for proper polarity and tightness. Verify amplifier/head unit power. Test speaker with another known good source if possible.
Distorted Sound	Volume too high, amplifier clipping. Incorrect gain setting. Damaged speaker cone/surround.	Reduce volume. Adjust amplifier gain. Inspect speaker for physical damage.
Weak or Muffled Sound	Incorrect wiring polarity. Speaker impedance mismatch.	Double-check positive and negative connections. Ensure speakers are compatible with amplifier's impedance requirements.

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

SPECIFICATIONS

Feature	Detail
Model	NA-6.9HCX
Speaker Type	Coaxial

Feature	Detail
Speaker Size	6" x 9"
RMS Power (Pair)	120 Watts
Impedance	4 Ohm
SPL (Sensitivity)	93dB
Frequency Response	67Hz-25KHz
Cone Material	Carbon Fiber
Surround Material	Rubber Edge
Product Dimensions	10 x 10 x 10 inches (approximate)
Item Weight	5 Pounds (approximate, per pair)
Recommended Use	Car Audio System

WARRANTY AND SUPPORT

Nemesis Audio products are designed for reliability and performance. For specific warranty information, including terms and conditions, please refer to the warranty card included with your purchase or visit the official Nemesis Audio website. For technical support, troubleshooting assistance, or inquiries about parts, please contact Nemesis Audio customer service through their official channels. Have your product model number (NA-6.9HCX) and purchase details ready when contacting support.

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.

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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.

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