

Nemesis NA-12EV.3 D4

Nemesis Audio NA-12EV.3 D4 Car Stereo Subwoofer User Manual

Model: NA-12EV.3 D4

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Nemesis Audio NA-12EV.3 D4 Car Stereo Subwoofer. Please read these instructions thoroughly before attempting installation or use to ensure optimal performance and safety. This subwoofer is designed to deliver powerful bass reproduction in a car audio system.

SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery negative terminal before any electrical installation.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Use appropriate gauge wiring for power and speaker connections to handle the subwoofer's power requirements.
- Mount the subwoofer securely to prevent movement during vehicle operation, which could cause injury or damage.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- Consult a professional car audio installer if you are unsure about any aspect of the installation process.

PACKAGE CONTENTS

Upon unpacking, verify that all items are present. The package should contain:

- Nemesis Audio NA-12EV.3 D4 Car Stereo Subwoofer (1 unit)
- Additional components as per manufacturer's site.



Image: Nemesis Audio NA-12EV.3 D4 Car Stereo Subwoofer. This image displays the front view of the 12-inch subwoofer, featuring a black cone, a Nemesis Audio logo in the center, and white stitching around the cone's edge. The speaker terminals are visible on the side.

PRODUCT FEATURES

The Nemesis Audio NA-12EV.3 D4 subwoofer incorporates several design elements for enhanced performance:

- **Power Handling:** 1200 Watts Peak / 600 Watts RMS.
- **Impedance:** Dual 4 Ohm Voice Coils.
- **Voice Coil:** 2.5 inch – 4 Layers.
- **Magnet:** 120 Oz High-Efficiency Magnet.
- **T-Yoke:** Chromed, Vented Style for improved air circulation.
- **Terminals:** Binding Post Terminals, designed for thicker gauge speaker wire.
- **Frame:** Stamped Steel Frame.
- **Gasket:** Rubber Gasket.

- **Efficiency:** 89.6 dB.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. Consider professional installation if you are unfamiliar with car audio wiring.

Enclosure Requirements

The NA-12EV.3 D4 subwoofer requires a suitable enclosure for optimal sound reproduction. Consult car audio resources or a professional installer for recommended sealed or ported enclosure designs that match the subwoofer's parameters and your vehicle's acoustics.

Wiring the Dual 4 Ohm Voice Coils

The NA-12EV.3 D4 features dual 4 Ohm voice coils, offering flexibility in wiring configurations to match your amplifier's impedance requirements. Common configurations include:

- **Parallel Wiring (2 Ohm Load):** 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 Ohm Load):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining free positive and negative terminals to your amplifier. This configuration presents an 8 Ohm load to the amplifier.

Always ensure your amplifier is stable at the chosen impedance load. Refer to your amplifier's manual for compatible impedance ratings.

Power and Ground Connections

1. **Power Wire:** Run a heavy-gauge power wire directly from the vehicle's battery (with an inline fuse near the battery) to the amplifier.
2. **Ground Wire:** Connect a heavy-gauge ground wire from the amplifier to a clean, unpainted metal surface on the vehicle's chassis.
3. **Remote Turn-On Wire:** Connect a remote turn-on wire from your head unit to the amplifier to activate it when the stereo is turned on.

Speaker Wire Connections

Connect the speaker output terminals of your amplifier to the subwoofer's binding post terminals using appropriate gauge speaker wire. Ensure correct polarity (positive to positive, negative to negative) for optimal sound reproduction.

OPERATING THE SUBWOOFER

Once installed, proper tuning of your amplifier and head unit settings will optimize the subwoofer's performance.

- **Gain Setting:** Adjust the amplifier's gain control to match the output voltage of your head unit. Start with the gain at minimum and slowly increase it until the desired volume is achieved without distortion.
- **Crossover Settings:** Use the low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A common starting point is between 80Hz and 120Hz.
- **Bass Boost:** Use bass boost sparingly, if at all, as excessive boost can lead to distortion and potential damage to the subwoofer.
- **Phase Control:** Experiment with the phase switch (0° or 180°) on your amplifier to achieve the best blend with your front speakers.

MAINTENANCE

The Nemesis Audio NA-12EV.3 D4 subwoofer requires minimal maintenance.

- **Cleaning:** Periodically wipe the subwoofer cone and surround with a soft, dry cloth to remove dust. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Regularly check all wiring connections for tightness and signs of corrosion. Ensure the subwoofer is securely mounted.
- **Environmental Protection:** Protect the subwoofer from direct sunlight, extreme temperatures, and moisture, which can degrade materials over time.

TROUBLESHOOTING

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

- **No Sound:**
 - Check all power, ground, remote, and RCA connections to the amplifier and head unit.
 - Verify the amplifier is powered on (check power indicator light).
 - Ensure the head unit's subwoofer output is enabled and volume is up.
 - Check for blown fuses in the power wire or amplifier.
 - Confirm speaker wires are correctly connected to the subwoofer and amplifier.
- **Distorted Sound:**
 - Reduce the amplifier's gain setting.
 - Check head unit volume; avoid excessive levels that cause distortion.
 - Ensure crossover settings are appropriate (LPF for subwoofer).
 - Verify speaker wire connections are secure and not shorting.
 - Reduce bass boost if enabled.
- **Subwoofer Overheating:**
 - Ensure the amplifier's impedance load matches the subwoofer's wiring configuration and the amplifier's stable operating range.
 - Check for adequate ventilation around the amplifier.
 - Avoid prolonged operation at maximum volume with excessive bass boost.

If troubleshooting steps do not resolve the issue, contact Nemesis Audio customer support or a qualified car audio technician.

SPECIFICATIONS

Feature	Specification
Model Name	NA-12EV.3 D4
Speaker Type	Subwoofer
Peak Power Handling	1200 Watts
RMS Power Handling	600 Watts
Impedance	Dual 4 Ohm

Feature	Specification
Voice Coil	2.5 inch – 4 Layers
Magnet Weight	120 Oz
Efficiency (Sensitivity)	89.6 dB
Woofer Diameter	12.55 Inches
Mounting Diameter	14.72 Inches
Mounting Depth	6.06 Inches
Displacement	0.12 ft³
Item Weight	21 Pounds (336 Ounces)
Product Dimensions	14 x 14 x 10 inches
Recommended Uses	Car Audio
Water Resistance Level	Not Water Resistant

WARRANTY INFORMATION

This Nemesis Audio product comes with a limited warranty. Specific terms and conditions of the warranty are typically outlined by the manufacturer or seller at the time of purchase. Please retain your proof of purchase for any warranty claims. For detailed warranty information, refer to the documentation provided with your purchase or contact Nemesis Audio customer support. Extended protection plans may be available from third-party providers at the point of sale. These plans are separate from the manufacturer's limited warranty.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries, please contact Nemesis Audio customer support. Contact information can typically be found on the official Nemesis Audio website or through your authorized dealer. When contacting support, please have your product model number (NA-12EV.3 D4) and proof of purchase readily available.

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

Email

you@example.com

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