

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Nemesis Audio](#) /

› [Nemesis Audio NA-3000.1KOR Monoblock Car Stereo Amplifier User Manual](#)

## Nemesis Audio NA-3000.1KOR

# Nemesis Audio NA-3000.1KOR Monoblock Car Stereo Amplifier

User Instruction Manual

## 1. INTRODUCTION

---

Thank you for choosing the Nemesis Audio NA-3000.1KOR Monoblock Car Stereo Amplifier. This manual provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read this manual thoroughly before attempting to install or operate the unit to ensure optimal performance and safety.

## 2. SAFETY INFORMATION

---

Always observe the following safety precautions when installing and operating this amplifier:

- Ensure the vehicle's battery is disconnected before any wiring connections are made to prevent electrical shock or damage.
- Install the amplifier in a dry, well-ventilated location away from direct sunlight, heat sources, or moisture.
- Use appropriate gauge wiring for power and ground connections as specified in the installation section to prevent overheating and potential fire hazards.
- Do not operate the amplifier if it has been damaged or exposed to water.
- Seek professional assistance if you are unsure about any installation or wiring procedures.
- Keep the volume at a reasonable level to avoid hearing damage and to maintain awareness of traffic conditions.

## 3. PRODUCT OVERVIEW

---

The Nemesis Audio NA-3000.1KOR is a high-performance monoblock amplifier designed for car audio systems. It delivers substantial power output for driving subwoofers with clarity and precision.



Figure 3.1: Front view of the Nemesis Audio NA-3000.1KOR Monoblock Car Stereo Amplifier. The amplifier features a black heat sink design with the Nemesis Audio logo and model number NA-3000.1KOR visible on the top surface.

## Key Features:

- **High Power Output:** Capable of delivering 3000W RMS at 1 Ohm for robust bass performance.
- **Wide Frequency Response:** 10Hz - 250Hz, optimized for subwoofer applications.
- **Low Pass Filter:** Adjustable from 35Hz - 250Hz for precise sound tuning.
- **Remote Gain Control:** Included for convenient level adjustments.
- **Robust Construction:** Designed for durability and efficient heat dissipation.
- **Made in Korea:** Ensuring quality manufacturing standards.

## 4. INSTALLATION AND SETUP

---

Proper installation is crucial for the performance and longevity of your amplifier. If you are not confident in your ability to install this unit, please consult a professional car audio installer.

### 4.1 Wiring Diagram (Conceptual)

While a detailed diagram is not provided here, the general connections are as follows:

1. **Power Connection (+12V):** Connect a 0-gauge power cable from the vehicle's positive battery terminal to the amplifier's +12V input. An inline fuse holder (not included) with an appropriate fuse rating (e.g., 200A) must be installed within 18 inches of the battery.
2. **Ground Connection (GND):** Connect a 0-gauge ground cable from the amplifier's GND input to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On (REM):** Connect a thin wire from your head unit's remote output to the amplifier's REM input. This wire turns the amplifier on and off with your head unit.
4. **RCA Inputs:** Connect RCA cables from your head unit's subwoofer pre-outs to the amplifier's RCA input jacks.
5. **Speaker Outputs:** Connect your subwoofer(s) to the amplifier's speaker output terminals. Ensure correct polarity (+ to + and - to -). Refer to your subwoofer's impedance to match the amplifier's capabilities (1 Ohm, 2 Ohm, or 4 Ohm stable).

### 4.2 Mounting the Amplifier

- Choose a mounting location that is secure, dry, and allows for adequate airflow around the amplifier to prevent overheating.
- Avoid mounting the amplifier directly on carpet or in enclosed spaces without ventilation.
- Use appropriate screws to secure the amplifier to a solid surface.

## 5. OPERATION

---

Once properly installed, the amplifier is ready for operation. Follow these steps to optimize its performance:

### 5.1 Initial Power-Up

- Before turning on your head unit, ensure all connections are secure and correct.
- Turn on your head unit. The amplifier's power indicator light should illuminate.

### 5.2 Adjusting Settings

- **Gain Control:** Start with the gain control (level) on the amplifier set to minimum. Play a familiar piece of music with strong bass. Slowly increase the gain until you hear distortion, then back off slightly. The remote gain control can be used for fine-tuning from the driver's seat.
- **Low Pass Filter (LPF):** Adjust the LPF to cut off frequencies above your desired subwoofer range. A common starting point is 80Hz-100Hz, but this can be adjusted based on your subwoofer and personal preference.
- **Subsonic Filter (if applicable):** If your amplifier has a subsonic filter, set it to protect your subwoofer from playing frequencies below its resonant frequency, which can cause damage.

## 6. MAINTENANCE

---

The Nemesis Audio NA-3000.1KOR amplifier requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the amplifier's heat sink fins are not obstructed by debris or other objects, as this can impede heat dissipation and lead to overheating.
- **Connections:** Occasionally check all wiring connections to ensure they remain tight and free from corrosion. Loose connections can lead to poor performance or damage.

## 7. TROUBLESHOOTING

---

If you experience issues with your amplifier, refer to the following table for common problems and their solutions:

Problem	Possible Cause	Solution
Amplifier does not turn on.	No power to amplifier; Blown fuse; Loose ground connection; Remote wire not connected or faulty.	Check power and ground connections; Replace fuse; Secure ground connection; Check remote wire connection and voltage.
No sound output.	RCA cables disconnected or faulty; Speaker wires disconnected or shorted; Amplifier in protect mode; Head unit settings.	Check RCA connections; Inspect speaker wiring for shorts or disconnections; Check amplifier's protect light; Verify head unit output settings.

Problem	Possible Cause	Solution
Distorted sound.	Gain set too high; Improper LPF setting; Poor ground connection; Damaged speaker.	Reduce gain setting; Adjust LPF; Secure ground connection; Inspect speaker for damage.
Amplifier overheats.	Insufficient ventilation; Impedance mismatch (too low); Gain set too high.	Ensure proper airflow around amplifier; Verify speaker impedance matches amplifier's rating; Reduce gain.

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

## 8. SPECIFICATIONS

---

Technical specifications for the Nemesis Audio NA-3000.1KOR Monoblock Amplifier:

- **Model:** NA-3000.1KOR
- **RMS Power (4 Ohm):** 1500W x 1
- **RMS Power (2 Ohm):** 2200W x 1
- **RMS Power (1 Ohm):** 3000W x 1
- **Frequency Response:** 10Hz - 250Hz
- **Signal to Noise Ratio:** 85dB
- **Damping Factor:** 150dB
- **Low Pass Filter:** 35Hz - 250Hz
- **Working Voltage:** 10V-16V DC
- **Power/Ground Inputs:** 0 Gauge
- **Dimensions (L x W x H):** 12 x 8 x 3 inches
- **Item Weight:** 6 pounds
- **Manufacturer:** Nemesis Audio
- **UPC:** 636655223978

## 9. WARRANTY AND SUPPORT

---

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Nemesis Audio website. Keep your proof of purchase for warranty claims.

**Nemesis Audio Contact Information:** Please refer to the manufacturer's official website or your purchase receipt for the most current contact details for customer service and technical support.

