

Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers

Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers Instruction Manual

Model: Pure Sound 6x9

1. INTRODUCTION

Thank you for choosing Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers. This manual provides essential information for the proper installation, operation, and maintenance of your new car audio speakers. Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INSTRUCTIONS

- **Disconnect Vehicle Battery:** Always disconnect the vehicle's negative battery terminal before beginning any electrical installation to prevent short circuits and damage.
- **Professional Installation Recommended:** If you are unsure about the installation process, it is highly recommended to seek assistance from a qualified professional car audio installer.
- **Proper Wiring:** Ensure all wiring is correctly connected according to the diagrams. Incorrect wiring can lead to speaker damage, amplifier malfunction, or vehicle electrical issues.
- **Secure Mounting:** Mount the speakers securely to prevent them from becoming loose during vehicle operation, which could cause injury or damage.
- **Avoid Water and Moisture:** Do not expose the speakers to water or excessive moisture. This product is not waterproof.
- **Volume Control:** Avoid prolonged listening at extremely high volume levels, which can cause hearing damage and speaker distortion.

3. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- Pair of Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers
- Speaker Frames (Grilles)
- Mounting Screws
- Installation Manual (this document)

4. SETUP AND INSTALLATION

Follow these general steps for installing your Nakamichi Pure Sound 6x9 Coaxial Speakers. Specific vehicle requirements may vary.

1. **Preparation:** Disconnect the vehicle's negative battery terminal. Remove existing speakers or trim panels to access the speaker mounting locations.
2. **Mounting Location:** Ensure the mounting location has sufficient depth. The required mounting depth for these speakers is approximately 2.7 inches (6.86 cm).
3. **Speaker Placement:** Carefully place the new Nakamichi speakers into the designated openings.
4. **Secure Mounting:** Use the provided mounting screws to firmly secure the speakers in place. Do not overtighten.
5. **Wiring:** Connect the speaker wires from your amplifier or head unit to the speaker terminals. Ensure correct polarity (positive to positive, negative to negative). These speakers have an impedance of 4 ohms.
6. **Install Frames:** Attach the speaker frames (grilles) over the speakers if desired, securing them according to their design.
7. **Test:** Reconnect the vehicle's negative battery terminal. Turn on your car audio system and test the speakers at a low volume to ensure proper functionality.



Image: Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers. This image displays the front view of the coaxial speaker, highlighting its cone and tweeter design, ready for installation.

5. OPERATING YOUR SPEAKERS

Once properly installed, your Nakamichi Pure Sound speakers will operate as part of your car audio system. These are passive speakers and require an external amplifier or head unit to function.

- **Amplifier Matching:** Ensure your amplifier's output power is compatible with the speakers' RMS power handling of 25 watts per speaker. While the speakers have a maximum power rating of 500 watts, continuous operation should be within the RMS limits for optimal performance and longevity.
- **Audio Source:** Play audio from your head unit or connected devices (e.g., MP3 player, smartphone, laptop) through the car audio system.
- **Sound Adjustment:** Use your head unit's controls to adjust volume, balance, fader, and equalizer settings to achieve your preferred sound.

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your speakers, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the speaker frames and cones with a soft, slightly damp cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the speaker materials.
- **Dust Removal:** Use a soft brush or compressed air to remove dust from the speaker grilles and cone area.
- **Environmental Protection:** Avoid exposing the speakers to extreme temperatures, direct sunlight for prolonged periods, or excessive humidity.
- **Inspection:** Periodically check the mounting screws and wiring connections to ensure they remain secure.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Loose or incorrect wiring• Amplifier/head unit off or faulty• Audio source issue	<ul style="list-style-type: none">• Check all speaker and amplifier connections for proper polarity and secure fit.• Ensure amplifier/head unit is powered on and functioning.• Verify audio source is playing correctly.

Problem	Possible Cause	Solution
Distorted or unclear sound	<ul style="list-style-type: none"> • Amplifier gain set too high • Speaker wires shorting • Damaged speaker • Poor audio source quality 	<ul style="list-style-type: none"> • Reduce amplifier gain or head unit volume. • Inspect speaker wires for any damage or shorts. • Check speaker cone for visible damage. • Try a different audio source.
Only one speaker working	<ul style="list-style-type: none"> • Wiring issue to the non-working speaker • Faulty speaker or amplifier channel 	<ul style="list-style-type: none"> • Check wiring connections for the non-working speaker. • Swap speakers (if possible) to determine if the issue is with the speaker or the amplifier channel.

If these steps do not resolve the issue, please contact Nakamichi customer support or your authorized dealer for further assistance.

8. SPECIFICATIONS

Speaker Type	4-Way Coaxial
Speaker Size	6 x 9 Inches
RMS Power Handling	25 Watts per speaker
Maximum Power Handling	500 Watts (Peak)
Frequency Response	55 Hz to 20 kHz
Impedance	4 Ohms
Sensitivity	90 dB at 1 watt/1 meter (+/-3 dB)
Mounting Depth	2.7 Inches (6.86 cm)
Voice Coil	Single Voice Coil
Cone Material	Polypropylene
Surround Material	Foam
Item Weight	454 Grams (approx. per speaker)
Country of Origin	China

9. WARRANTY INFORMATION

Nakamichi Pure Sound 6x9 4-Way Coaxial Speakers come with a **One Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. The warranty does not cover damage caused by improper installation, accident, misuse, abuse, negligence, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the warranty card included with your product or contact Nakamichi customer support.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact:

- Your authorized Nakamichi dealer or the retailer where you purchased the product.
- Nakamichi Customer Service (contact information typically found on the official Nakamichi website or product packaging).

You can also visit the official Nakamichi store for more information: [Nakamichi Store](#)