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- › [Power Acoustik](#) /
- › [Power Acoustik NB-4 250-Watt 4-Way Mount Tweeter Instruction Manual](#)

## Power Acoustik NB-4

# Power Acoustik NB-4 250-Watt 4-Way Mount Tweeter

Model: NB-4

### INTRODUCTION

The Power Acoustik NB-4 is a 250-watt 4-way mount tweeter designed to enhance the high-frequency audio output in your car audio system. It features a Niobium rare earth ferroelectric transducer magnet and a polypropylene diaphragm, providing a frequency response from 5kHz to 25kHz. This tweeter offers versatile mounting options including swivel, surface, angle, and flush mount, and includes a built-in crossover for optimal performance.

### PRODUCT FEATURES

- **Niobium Rare Earth Ferroelectric Transducer Magnet:** Utilizes advanced magnet technology for efficient sound production.
- **Polypropylene Diaphragm:** Ensures clear and crisp high-frequency sound reproduction.
- **Wide Frequency Response:** Operates within a range of 5kHz to 25kHz.
- **20W RMS Power Handling:** Designed for effective power management.
- **4-Way Mount Design:** Supports swivel, surface, angle, and flush mounting for flexible installation.
- **Built-in Crossover:** Integrates a crossover network to filter frequencies, ensuring optimal tweeter performance and protection.

### PACKAGE CONTENTS

Upon unpacking, please verify that all items are present and in good condition.

- Power Acoustik NB-4 Tweeters (Pair)
- Mounting Hardware (for 4-way installation options)



Image: Power Acoustik NB-4 Tweeter in its standard retail packaging.

## INSTALLATION AND SETUP

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Proper installation is crucial for optimal sound quality and product longevity. It is recommended that installation be performed by a qualified car audio professional.

### Mounting Options:

- **Flush Mount:** For a clean, integrated look, requiring a cutout in the mounting surface.
- **Surface Mount:** Allows the tweeter to be mounted directly onto a flat surface.
- **Angle Mount:** Utilizes an angled housing to direct sound towards the listener.
- **Swivel Mount:** Provides flexibility to adjust the tweeter's direction after installation.

The NB-4 tweeters include a built-in crossover. Connect the tweeter directly to the appropriate high-frequency output of your amplifier or head unit, ensuring correct polarity. Refer to your vehicle's wiring diagram and your amplifier's manual for specific connection details.



Image: Close-up view of the Power Acoustik NB-4 Tweeter, highlighting its design and potential mounting points.



Image: Side view of the Power Acoustik NB-4 Tweeter, illustrating its compact size and construction.

## OPERATION

Once properly installed and connected, the Power Acoustik NB-4 tweeters will operate automatically with your car audio system. They are designed to reproduce high-frequency sounds, adding clarity and detail to your music. Adjust your head unit's or amplifier's settings to achieve your desired sound balance. Avoid excessively high volume levels for prolonged periods to prevent potential damage to the tweeters or your hearing.

## MAINTENANCE

The Power Acoustik NB-4 tweeters require minimal maintenance. Keep them free from dust and debris by gently wiping them with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners, as these can damage the diaphragm or housing. Ensure that the mounting remains secure over time.

## TROUBLESHOOTING

- **No Sound from Tweeters:**
  - Check all wiring connections for proper contact and polarity.
  - Verify that the amplifier or head unit is powered on and functioning correctly.
  - Ensure the audio source is playing high-frequency content.
- **Distorted Sound:**
  - Reduce the volume level on your head unit or amplifier.
  - Check for proper gain settings on your amplifier.
  - Ensure the tweeters are not receiving full-range audio if they are designed for high-pass only (the built-in crossover should manage this).
- **Intermittent Sound:**
  - Inspect wiring for loose connections or frayed cables.
  - Check for any short circuits.

## SPECIFICATIONS

<b>Model Number</b>	NB-4
<b>Speaker Type</b>	Tweeter
<b>Speaker Maximum Output Power</b>	250 Watts (Peak)
<b>Frequency Response</b>	5kHz to 25kHz
<b>Impedance</b>	2 Ohms
<b>Material</b>	Polypropylene Diaphragm
<b>Mounting Type</b>	4-way mount (flush/surface/angle/swivel)
<b>Tweeter Diameter</b>	1 Inches
<b>Product Dimensions</b>	0.75"D x 6.02"W x 7.32"H
<b>Item Weight</b>	0.48 ounces
<b>Included Components</b>	Car Speakers - Tweeters

Connectivity Technology	Coaxial
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## WARRANTY AND SUPPORT

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The Power Acoustik NB-4 Tweeter comes with a **1 Year Limited Warranty**. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

**Legal Disclaimer:** Warranty does not cover misuse of the product. Any unauthorized modification, improper installation, or use outside of specified operating conditions may void the warranty.

For technical support or warranty inquiries, please contact Power Acoustik customer service through their official website or authorized dealers.