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Model: DB402

INTRODUCTION

The Polk Audio DB402 DB+ Series 4 Inch Coaxial Speakers are designed for high-quality audio reproduction in both car and marine environments. Featuring a polypropylene woofer cone and a 3/4 inch silk dome tweeter with a built-in crossover, these speakers deliver clear and precise sound. Dynamic Balance technology minimizes resonance for a wide response with low distortion. The DB+ Series speakers are marine certified, ensuring reliable performance even in challenging conditions.

SETUP AND INSTALLATION

Proper installation is crucial for optimal speaker performance. The DB402 speakers are designed for easy installation and include mounting hardware and grilles.

Mounting

These speakers offer versatile 4/2-hole compatibility, allowing for various mounting options in vehicles and marine vessels. Ensure the mounting surface is secure and free from obstructions. Use the provided hardware for a firm installation.



Figure 1: Polk Audio DB402 speaker with protective grille.

Wiring

Connect the speaker wires from your amplifier or head unit to the corresponding terminals on the DB402 speakers. Ensure correct polarity (positive to positive, negative to negative) to prevent phase issues that can degrade sound quality. The built-in crossover manages the audio signal distribution to the woofer and tweeter.



Figure 2: Polk Audio DB402 speaker without grille, revealing the woofer and tweeter components.

OPERATING INSTRUCTIONS

Once installed, the DB402 speakers are ready for use. They handle up to 45W RMS and boast a frequency range of 60-22kHz, reproducing high-quality sound across various genres.

Audio Playback

Connect your audio source to your amplifier or head unit. The speakers will reproduce sound based on the input signal. Adjust volume and tone controls on your audio source for desired sound characteristics. The Dynamic Balance technology ensures a distortion-free response with wide sound dispersion.

MAINTENANCE AND CARE

The Polk DB+ series speakers are designed for durability, especially in marine environments. They feature IP56 marine certification and coated steel baskets, and are tested for salt-fog, UV exposure, and humidity.

Cleaning

To clean the speakers, use a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the speaker components or finish. For marine use, rinse with fresh water after exposure to saltwater to prevent salt buildup.

Environmental Protection

While marine certified, prolonged exposure to extreme conditions should be minimized where possible to extend the lifespan of the speakers.

TROUBLESHOOTING

If you encounter issues with your DB402 speakers, refer to the following common problems and solutions:

- **No Sound:** Check all wiring connections from the amplifier/head unit to the speakers. Ensure the audio source is playing and the volume is turned up. Verify amplifier is powered on.
- **Distorted Sound:** Reduce the volume level. Check amplifier gain settings; excessive gain can cause distortion. Ensure speaker wires are not shorting. If distortion occurs at low volumes, check for proper impedance matching with your amplifier. Some users have found that a bass choke can prevent distortion from excessive low frequencies.
- **No High Frequencies (Tweeter not working):** Check the speaker wire connections, especially for proper polarity. Ensure the amplifier is providing a full-range signal. If only one speaker is affected, swap it with another to determine if the issue is with the speaker or the wiring/source.
- **Weak Bass:** Ensure speakers are mounted securely and sealed properly to the mounting surface. Incorrect polarity can also lead to weak bass. Check amplifier settings for bass boost or low-pass filters.

If these steps do not resolve the issue, contact Polk Audio customer support.

SPECIFICATIONS

Brand	Polk Audio
Model Name	DB402
Speaker Type	Coaxial
Speaker Size	4 Inches
Woofers Diameter	4 Inches
Tweeter Diameter	0.75 Inches
Speaker Maximum Output Power	135 Watts (Peak)
RMS Power Handling	45 Watts
Frequency Response	60 Hz - 22 kHz
Impedance	4 Ohm
Enclosure Material	Steel, Polypropylene
Is Waterproof	True (IP56 Marine Certified)
Color	Black
Number of Audio Channels	2.0
Specific Uses For Product	Outdoor/Portable Audio Setups, Marine Applications

WARRANTY INFORMATION

The Polk Audio DB402 DB+ Series speakers come with a **1-Year Limited Warranty**. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims. For full details regarding warranty terms and conditions, refer to the documentation included with your product or visit the official Polk Audio website.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Polk Audio customer support. You can find contact information and additional resources by visiting the official Polk Audio website or their store on Amazon:

Visit the Polk Audio Store on Amazon