

## Polk Audio DB652

# Polk Audio DB652 DB+ Series 6.5 Inch Marine Speakers Instruction Manual

Model: DB652 | Brand: Polk Audio

## INTRODUCTION

Thank you for choosing Polk Audio DB652 DB+ Series 6.5 Inch Marine Speakers. These 2-way coaxial speakers are engineered to deliver smooth and precise sound, suitable for both car audio and marine applications. Featuring a 6.5-inch polypropylene woofer cone and a 3/4-inch silk dome tweeter with a built-in crossover, they provide a frequency response of 40-22kHz. The speakers incorporate Dynamic Balance technology to reduce resonance, ensuring distortion-free audio. With IP56 marine certification, they are rigorously tested for environmental effects like sun, moisture, and extreme temperature changes, making them a durable choice for various environments including freshwater boats, motorcycles, ATVs, and automobiles.

## WHAT'S IN THE BOX

- Polk Audio DB652 6.5" 2-Way Coaxial Marine Certified Speakers (Pair)
- Speaker Grilles (Pair)
- Mounting Hardware (Screws, U-clips)
- Speaker Wire
- Literature (Instruction Manual)

## SETUP & INSTALLATION

The Polk Audio DB652 speakers are designed for easy installation with multiple hole compatibility and included mounting hardware. Ensure proper polarity when connecting the speaker wires. The tweeter on these coaxial speakers can be aimed to direct sound for optimal listening experience.



Figure 1: Polk Audio DB652 speaker with its protective grille installed.



Figure 2: Polk Audio DB652 speaker without the grille, showing the woofer and adjustable tweeter.



Figure 3: Rear view of the Polk Audio DB652 speaker, highlighting the connection terminals and integrated crossover components.

### Installation Steps:

1. **Prepare Mounting Location:** Ensure the mounting surface is clean and provides adequate space for the speaker. If replacing existing speakers, remove the old units.
2. **Connect Wiring:** Use the provided speaker wires or appropriate gauge wiring. Connect the positive (+) terminal of the speaker to the positive output of your amplifier/head unit, and the negative (-) terminal to the negative output. The terminals are different sizes to prevent incorrect polarity.
3. **Mount Speakers:** Position the speaker in the desired location. Use the included mounting hardware (screws and U-clips) to secure the speaker firmly. For marine applications, ensure all connections are watertight.
4. **Install Grilles:** Attach the stylish grilles over the speakers. The grilles are designed to protect the speaker

components while adding to the aesthetic.

5. **Adjust Tweeter (Optional):** Gently pivot the tweeter to direct the high-frequency sound towards the listening area for optimized sound staging.

Helpful Installation Videos:

Video 1: General overview of BELVA 6.5 inch 2-Way Marine Coaxial Speakers. This video provides a visual guide to the type of speakers and their components, which can be helpful for understanding the installation process for similar marine coaxial speakers.

Video 2: Polk Audio Learn More About MM1 Series for Car, Marine. This official Polk Audio video provides insights into the design and features of Polk's marine speakers, offering valuable context for installation and performance expectations.

OPERATING INSTRUCTIONS

Once installed, connect your Polk Audio DB652 speakers to a compatible car audio or marine stereo system. Ensure your amplifier or head unit's power output is within the recommended range for these speakers (100W RMS, 300W peak). Adjust your audio system's settings (bass, treble, balance, fader) to achieve your preferred sound. The adjustable tweeter allows for fine-tuning the high-frequency direction.

MAINTENANCE

Polk Audio DB652 speakers are built for durability in harsh environments, featuring IP56 marine certification and resistance to UV, salt-fog, and humidity. To maintain optimal performance and appearance:

- **Cleaning:** Wipe down the speaker grilles and cones with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check for any signs of wear or damage, especially if used in marine environments. Ensure all mounting screws remain tight.
- **Environmental Protection:** While marine-certified, prolonged exposure to extreme conditions can still affect longevity. Consider covering speakers when not in use for extended periods in harsh outdoor settings.

TROUBLESHOOTING

If you experience issues with your Polk Audio DB652 speakers, refer to the following common troubleshooting tips:

- **No Sound:** Check all wiring connections for proper seating and polarity. Ensure your amplifier/head unit is powered on and functioning correctly. Verify speaker wires are not short-circuited.
- **Distorted Sound:** Reduce the volume level on your audio system. Check for proper impedance matching between speakers and amplifier (these speakers are 4 Ohms). Inspect speaker cones for any physical damage. Ensure the mounting is secure and free from vibrations.
- **Intermittent Sound:** Inspect all connections for looseness or corrosion. Check for damaged speaker wires.

SPECIFICATIONS

Feature	Detail
Speaker Type	2-Way Coaxial
Speaker Size	6.5 Inches

Feature	Detail
Woofer Diameter	6.5 Inches
Tweeter Diameter	0.75 Inches
Peak Power Handling	300 Watts
RMS Power Handling	100 Watts
Impedance	4 Ohms
Frequency Response	40-22kHz
Material	Polypropylene (Woofer), Silk (Tweeter)
Mounting Type	Coaxial, Boat Mount
Waterproof Rating	IP56 Marine Certified
Product Dimensions	15.2"D x 16"W x 7.5"H
Item Weight	4.5 Pounds

## WARRANTY INFORMATION

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Polk Audio DB652 speakers come with a Limited Warranty. For specific details regarding warranty coverage, duration, and claims process, please refer to the warranty card included in your product packaging or visit the official Polk Audio website.

## SUPPORT

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For further assistance, technical support, or inquiries about your Polk Audio DB652 speakers, please visit the official Polk Audio website or contact their customer service department. You can find contact information and additional resources on the Polk Audio brand store page on Amazon or through the provided literature.