

Diamond Audio HXM65

Diamond Audio HXM65 Marine Coaxial Speaker Instruction Manual

Model: HXM65

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Diamond Audio HXM65 Marine Coaxial Speaker. Designed for exceptional sound quality and durability, this speaker is suitable for marine and various outdoor environments. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

2. SAFETY INFORMATION

- **Power Source:** Ensure the power source is disconnected before any installation or wiring to prevent electrical shock.
- **Proper Wiring:** Incorrect wiring can damage the speaker or the audio system. Consult a professional if unsure about wiring connections.
- **Mounting:** Securely mount the speakers to prevent detachment during vehicle or vessel operation. Use appropriate hardware for the mounting surface.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Operate the speakers at safe listening levels.
- **Environmental Considerations:** Although marine-grade, avoid submerging the speakers. Ensure proper drainage if installed in areas prone to water accumulation.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Speaker kit (includes two HXM65 coaxial speakers)
- Mounting hardware (if applicable, not explicitly listed but implied by "speaker kit")
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

The Diamond Audio HXM65 speakers are designed for surface mount installation in various vehicles and vessels. Proper installation is crucial for optimal performance and durability.

4.1 Mounting the Speakers

These speakers are designed for surface mounting. Ensure the mounting location provides sufficient depth and clearance for the speaker and its wiring. Use the provided mounting hardware to secure the speakers firmly. The speakers are waterproof, making them suitable for outdoor usage.



Image 1: Front view of two Diamond Audio HXM65 Marine Coaxial Speakers. One speaker shows an illuminated cone, while the other displays its standard white grille.



Image 2: Diamond Audio HXM65 speaker with the grille removed, providing a view of the speaker cone and internal structure.

4.2 Wiring Connections

The HXM65 speakers have an impedance of 4 Ohms. Connect the speakers to an appropriate amplifier or head unit capable of handling a 4 Ohm load. Ensure correct polarity (+ to + and - to -) for optimal sound reproduction. The speaker kit includes necessary wiring for connection.

- **Audio Connection:** Connect the speaker wires to your audio source (amplifier/head unit).
- **Power Source:** The speakers are powered via the audio signal from the amplifier.
- **Connectivity Technology:** Coaxial.

For systems with multiple speakers, ensure the total impedance matches the amplifier's specifications. Refer to your amplifier's manual for specific wiring diagrams and recommendations.



Image 3: Detailed rear view of the Diamond Audio HXM65 speaker, highlighting the wiring connections for audio input and potential LED lighting.

5. OPERATING INSTRUCTIONS

Once properly installed and connected, the Diamond Audio HXM65 speakers will reproduce audio from your connected device.

- **Power On:** Turn on your audio source (e.g., marine stereo, car head unit).
- **Volume Control:** Adjust the volume using the controls on your audio source. Start at a low volume and gradually increase to a comfortable listening level.
- **Compatible Devices:** These speakers are compatible with various audio sources including smartphones, tablets, MP3 players, desktops, televisions, projectors, and laptops when connected through an appropriate amplifier or receiver.
- **Control Method:** The primary control method for audio playback and volume is via the remote or controls of your connected audio source.

6. MAINTENANCE

To ensure the longevity and performance of your Diamond Audio HXM65 Marine Coaxial Speakers, follow these maintenance guidelines:

- **Cleaning:** Clean the speaker grilles and cones periodically with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, which can damage the marine-grade finish.
- **Inspection:** Regularly inspect the mounting hardware and wiring connections for any signs of corrosion, looseness, or damage. Tighten any loose connections and replace damaged components as necessary.
- **Environmental Protection:** While designed for outdoor use, protecting the speakers from extreme weather conditions when not in use (e.g., with covers) can extend their lifespan.

7. TROUBLESHOOTING

If you encounter issues with your speakers, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all wiring connections to ensure they are secure and correctly polarized.
 - Verify that the audio source (amplifier/head unit) is powered on and functioning correctly.

- Ensure the volume is not muted or set to a very low level.

- **Distorted Sound:**

- Reduce the volume level on your audio source.
- Check for loose wiring connections.
- Ensure the amplifier is not overdriven or clipping.
- Inspect the speaker cone for any physical damage.

- **Intermittent Sound:**

- Check for loose or corroded wiring connections, especially in marine environments.
- Ensure the audio source is providing a consistent signal.

If problems persist after following these steps, contact Diamond Audio customer support or a qualified audio technician.

8. SPECIFICATIONS

Detailed technical specifications for the Diamond Audio HXM65 Marine Coaxial Speaker:

Feature	Specification
Model Name	HXM65
Speaker Type	Coaxial
Special Feature	Marine Grade
Recommended Uses	Car / Marine Audio
Compatible Devices	Smartphone, Tablet, MP3 Player, Desktop, Television, Projector, Laptop
Woofer Diameter	6.5 Inches
Surround Sound Channel Configuration	2.0
Included Components	Speaker kit
Product Dimensions	1"D x 1"W x 1"H
Impedance	4 Ohms
Is Waterproof	True
Number of Items	1 (refers to the kit, typically a pair)
Control Method	Remote (via connected audio source)
Speaker Size	6.5 Inches
Power Source	Corded Electric (via amplifier)
Audio Driver Type	Dynamic Driver

Feature	Specification
Audio Driver Size	6.5 Inches
Connectivity Technology	Coaxial
Audio Output Mode	Surround
Mounting Type	Surface Mount
Speaker Maximum Output Power	120 Watts
Indoor/Outdoor Usage	Outdoor
Manufacturer	Diamond Audio
Item Weight	4.69 pounds
UPC	847169024078

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Diamond Audio website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: Diamond Audio

Website: www.diamondaudio.com