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› H YANKA HMS-65 6.5 Marine Speakers Instruction Manual

## H YANKA HMS-65

# H YANKA HMS-65 6.5 Marine Speakers Instruction Manual

MODEL: HMS-65

## Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your H YANKA HMS-65 6.5 Marine Speakers. Designed for marine environments, these speakers feature IP67 waterproof rating, UV protection, and salt spray resistance, ensuring durability and high-fidelity audio performance with integrated 7-color LED lighting.

## Important Safety Information

- Always disconnect power before installation or maintenance.
- Ensure proper wiring to prevent electrical hazards and damage to the speakers or vessel's electrical system.
- Mount speakers securely to avoid detachment during vessel movement.
- Do not expose the speakers to extreme temperatures outside their operating range.
- Consult a professional marine electronics installer if you are unsure about any installation steps.

## Package Contents

Verify that all items are present in your package:

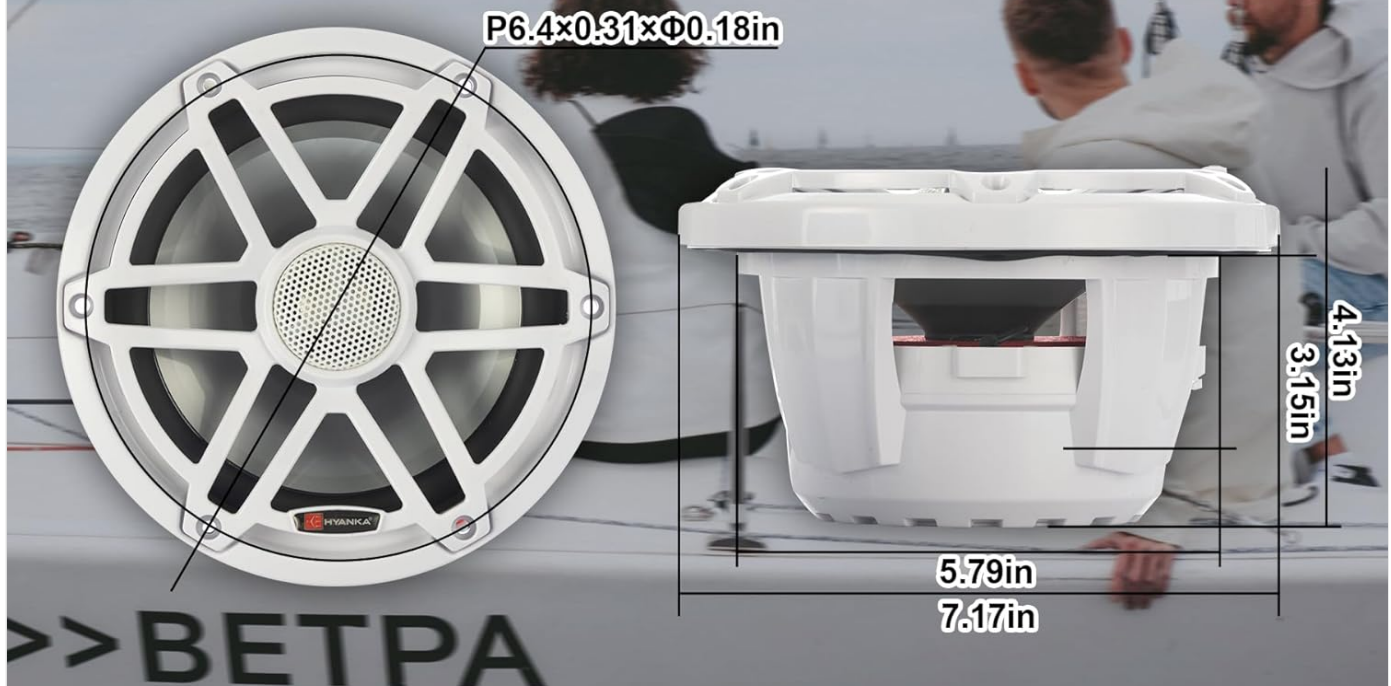
- Two 6.5-inch Marine Speakers
- 12 Stainless Steel Mounting Screws
- Two Foam Gaskets
- Two 10-foot Power Cables
- One User Manual
- One LED Light Remote Control (for 7-Color LED Light style)



HYANKA®

**All installation accessories are complimentary!**

**Easy Installation**



- |                                        |                                |
|----------------------------------------|--------------------------------|
| ✓ 2 x 6.5" Marine Speakers             | ✓ 2 x 120" Power Cables        |
| ✓ 12 x Stainless Steel Mounting Screws | ✓ 1 x Instruction Manual       |
| ✓ 2 x Sponge Gaskets                   | ✓ 1 x LED Light Remote Control |

Image: Contents of the H YANKA HMS-65 Marine Speakers package, including two speakers, mounting screws, foam gaskets, power cables, and an LED remote control.

## Product Features

- **Waterproof Protection (IP67):** Designed to withstand immersion in 1m of water for 30 minutes, and resistant to dust and salt spray.
- **High-Fidelity 2-Way System:** Delivers 75W RMS (150W MAX) output with a Y35 magnet woofer for strong bass and a 1-inch titanium diaphragm tweeter for clear highs.
- **7-Color, 6-Mode LED Lighting:** Customizable lighting options with a remote control to set the ambiance.
- **Durable Construction:** Features a plastic basket frame, PP cone, and stainless steel grille for marine environment resilience.
- **UV and Saltwater Protection:** Materials are tested for 96 hours of continuous UV exposure and salt spray resistance.



### **HMS-65 Coaxial Marine Speakers**

**750W 2 Way Waterproof and Weather Resistant Outdoor Audio Stereo Sound System**

Image: Overview of the H YANKA HMS-65 Marine Speakers' robust features, including IP67 waterproof rating, salt fog resistance, and UV protection, suitable for harsh maritime environments.

## **Setup and Installation**

### **1. Mounting the Speakers**

1. Choose a suitable mounting location with a mounting hole diameter of 5.79 inches and a mounting depth of 3.23 inches.
2. Ensure sufficient clearance behind the speaker for proper ventilation and wiring.
3. Use the provided foam gaskets to create a watertight seal between the speaker and the mounting surface.
4. Secure the speakers using the 12 stainless steel mounting screws. Do not overtighten.



**Experience the innovative design of this speaker, featuring a multi-color LED light with various modes. Customize the colors and modes to match the atmosphere and mood of your water activities. The semi-transparent cone enhances the brightness of the LED lights, creating a visually appealing experience.**

Image: Detailed diagram illustrating the mounting dimensions (5.79 inches diameter, 3.23 inches depth) and the complete set of accessories provided for easy installation of the H YANKA HMS-65 Marine Speakers.

### **2. Wiring Connections**

- Connect the speaker wires from your audio source to the speaker terminals. Ensure correct polarity (positive to positive, negative to negative).
- For the LED lights, connect the dedicated LED wiring harness to a 12V DC power supply (boat's battery) ensuring

proper polarity (red to positive, black to negative).

- Connect the LED control module between the power supply and the LED wiring harness.

Your browser does not support the video tag.

Video: An official demonstration of the H YANKA HMS-65 Coaxial Marine Speakers, showcasing their sound performance and integrated LED lighting. This video provides a visual guide to the speaker's features and operation.

## Operating Instructions

### 1. Audio Playback

Once properly installed and connected to your marine audio system, the speakers will play audio from your source. Adjust volume and audio settings through your head unit or amplifier.

### 2. LED Light Control

Use the included remote control to manage the 7-color LED lighting:

- **Power Button:** Turn the LED lights On/Off.
- **Color Select Buttons:** Choose from seven static colors (White, Red, Green, Blue, Yellow, Teal, Purple).
- **Mode Buttons:** Select from six lighting modes (Music Beat, Music Impulse, Solid, Fade, Streaming, Strobe).
- **Brightness/Speed Adjustment:** Adjust the brightness of static colors or the speed of dynamic modes.



Image: The H YANKA HMS-65 Marine Speakers showcasing their vibrant 7-color, 6-mode LED lighting, controlled by the included remote. This image highlights the customizable visual effects.

## Maintenance

- **Cleaning:** Regularly clean the speaker grilles and surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or waterproof seals.
- **Inspection:** Periodically inspect all wiring connections for corrosion or damage. Ensure mounting screws remain tight.
- **Waterproofing:** While IP67 rated, avoid directing high-pressure water jets directly at the speakers. Ensure all connections are properly sealed after any maintenance.

## Troubleshooting

| Problem                | Possible Cause                                                          | Solution                                                                                                                              |
|------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| No sound from speakers | Incorrect wiring, loose connections, amplifier off, audio source issue. | Check all speaker wire connections for proper polarity and tightness. Verify amplifier is powered on and audio source is functioning. |
| LED lights not working | Incorrect LED wiring, no 12V power, remote control battery dead.        | Ensure LED wiring is correctly connected to 12V power. Check remote control battery and replace if necessary.                         |
| Distorted audio        | Over-driven amplifier, incorrect gain settings, damaged speaker.        | Reduce volume or amplifier gain. Inspect speakers for physical damage.                                                                |

## Specifications



Image: A visual representation of the key performance specifications for the H YANKA HMS-65 Marine Speakers, including power, impedance, and frequency response.

- **Speaker Type:** 2-Way Coaxial Marine Speaker
- **Speaker Size:** 6.5 Inches
- **Peak Power:** 750 Watts
- **RMS Power:** 75 Watts
- **Impedance:** 4 Ohms
- **Frequency Response:** 50Hz-20kHz
- **Sensitivity:** 90dB
- **Waterproof Rating:** IP67
- **Voice Coil:** 30.5mm KSV
- **Magnet:** 90x40x15 Y35 Grade
- **Cone Material:** Polypropylene (PP)

- **Tweeter:** 1-inch Titanium Diaphragm with Stainless Steel Grille
- **Mounting Hole Diameter:** 5.79 inches
- **Mounting Depth:** 3.23 inches
- **Input Voltage:** 12 Volts DC
- **Special Features:** 7-Color, 6-Mode LED Lighting, UV & Salt Spray Resistant

## Warranty and Support

H YANKA 6.5 Marine Speakers are backed by a comprehensive three-month free replacement policy and a one-year warranty, ensuring your investment is protected.

For technical support, warranty claims, or any questions regarding your product, please contact H YANKA customer service through their official channels or the retailer where the product was purchased.

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