

Herdio 230B-6005B-47B

Herdio Marine Radio and Speakers Set

Model: 230B-6005B-47B - Instruction Manual

1. PRODUCT OVERVIEW

The Herdio Marine Radio and Speakers Set (Model 230B-6005B-47B) is designed for marine and outdoor environments, offering audio entertainment with robust construction. This set includes a marine gauge head unit, two 6.5-inch marine speakers, and a flexible mast FM/AM antenna.

Key Features:

- **Bluetooth Connectivity:** Built-in Bluetooth for wireless audio streaming with a range of up to 10 feet.
- **IP66 Waterproof Rating:** Marine-grade waterproof construction ensures durability in harsh marine conditions.
- **Powerful Speakers:** Two 6.5-inch marine speakers with a peak power handling of up to 120W each (240W total for the pair), resistant to salt water and sea air.
- **Flexible Antenna:** 16.9-inch flexible mast antenna with a 55-inch cable and 180-degree swivel base for optimal signal reception.
- **Compact Design:** The head unit features a universal compact round design that fits into standard size tachometer gauge openings.

Package Contents:

- Herdio Marine Digital AM/FM Radio Receiver (Head Unit) x 1
- Herdio 6.5 Inch Marine Boat Speakers x 2
- Herdio Flexible Waterproof Marine Antenna x 1
- Mounting Hardware and Wiring

PAKAGE INCLUDE



Image 1.1: All components included in the Herdio Marine Radio and Speakers Set package.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing and operating this product. Failure to follow these instructions may result in injury or damage to the product.

General Safety:

- Ensure the power source is disconnected before installation to prevent electrical shock.
- Verify all wiring connections are secure and properly insulated to prevent short circuits.
- Do not expose the product to extreme temperatures or direct sunlight for prolonged periods.
- This product is designed for 12V DC negative ground systems only.

Waterproof Rating:

The head unit and speakers are rated IP66 waterproof, meaning they are protected against powerful water jets. While designed for marine environments, avoid submerging the unit or speakers for extended periods. Ensure all connections are properly sealed to maintain waterproof integrity.



Image 2.1: The head unit is designed to withstand water splashes and jets, suitable for marine use.

3. INSTALLATION

Proper installation is crucial for optimal performance and longevity of your Herdio Marine Radio and Speakers Set. It is recommended to have installation performed by a qualified technician.

3.1. Pre-Installation Considerations:

- Choose a mounting location that is easily accessible, provides adequate ventilation for the head unit, and is away from direct heat sources.
- Ensure sufficient space behind the mounting surface for the head unit's depth and wiring.
- For speakers, select locations that allow for clear sound projection and proper mounting depth.

3.2. Dimensions:



Image 3.1: Head unit and speaker dimensions for accurate mounting.

- **Head Unit Dimensions:** 2.48 x 7.09 x 2.48 inches (6.3 x 18 x 6.3 cm)
- **Speaker Cut-Out Diameter:** 5.31 inches (135mm)
- **Speaker Mounting Depth:** 2.48 inches (63mm)
- **Antenna Length:** 16.9 inches (43cm) mast, 55 inches (138.5cm) cable.



Image 3.2: Flexible antenna dimensions and features.

3.3. Head Unit Installation:

1. Cut a circular hole in the desired mounting surface according to the head unit's dimensions.
2. Insert the head unit into the opening.
3. Secure the head unit using the provided mounting bracket and screws.

3.4. Speaker Installation:

1. Using the provided template (if applicable) or the specified cut-out diameter, cut holes for the speakers.
2. Connect the speaker wires to the terminals on the back of each speaker. Ensure correct polarity (+ to + and - to -).
3. Mount the speakers into the cut-out holes and secure them with the provided screws.

MARINE SPEAKERS 6.5 WATERPROOF

- Power Handling(Max): 120 W
- Sensitivity: 91dB
- Impedance: 4 Ohms
- Frequency Response: 60Hz-18kHz



Image 3.3: Rear view of the 6.5-inch marine speaker showing wiring terminals.

3.5. Antenna Installation:

1. Choose a mounting location for the antenna that provides clear line of sight and is away from obstructions.
2. Mount the flexible mast antenna using its 180-degree swivel base.
3. Route the antenna cable to the head unit and connect it to the designated antenna input.

3.6. Wiring Connections:

Connect the power, ground, and speaker wires to the head unit according to the wiring diagram provided in the quick start guide. The head unit supports four channels with a maximum output power of 40W per channel. RCA outputs are available for connecting an external amplifier if desired.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off:

- Press the **Power** button (usually marked with a power symbol) to turn the unit on or off.

4.2. Source Selection:

- Press the **SRC** (Source) button to cycle through available audio sources: FM radio, AM radio, Bluetooth, and USB.

4.3. Volume Control:

- Use the **VOL +** and **VOL -** buttons to adjust the audio volume.

4.4. Bluetooth Pairing:

1. Select Bluetooth as the audio source. The unit will enter pairing mode, indicated by a flashing Bluetooth icon on the display.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "Herdio" (or similar name) from the list to pair. Once paired, the Bluetooth icon will stop flashing.
4. You can now stream audio wirelessly from your device.

4.5. Radio Operation (FM/AM):

1. Select FM or AM as the audio source.
2. Use the **Tune Up** and **Tune Down** buttons to manually tune to a station.
3. Press and hold the **Tune Up** or **Tune Down** buttons for automatic station seeking.
4. To save a station, tune to the desired frequency, then press and hold a preset button (if available) until the display confirms the save.

4.6. USB Playback:

- Insert a USB drive into the USB port. The unit will automatically switch to USB source and begin playback of compatible audio files (FLAC/MP3/WMA).
- Use the **Previous/Next Track** buttons to navigate through songs.
- Use the **Play/Pause** button to control playback.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your marine audio system.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the head unit and speakers. Avoid abrasive cleaners or solvents that could damage the finish or waterproof seals.
- **Inspection:** Periodically check all wiring connections for corrosion or damage. Ensure mounting screws are tight.
- **Water Exposure:** After exposure to saltwater, rinse the unit and speakers with fresh water to prevent salt buildup and corrosion.

6. TROUBLESHOOTING

If you encounter issues with your Herdio Marine Radio and Speakers Set, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Blown fuse, incorrect wiring, power switch off	Check fuse, verify power and ground connections, ensure unit is powered on.
No sound from speakers	Incorrect speaker wiring, volume too low, mute activated	Check speaker connections and polarity, increase volume, deactivate mute.
Bluetooth not connecting	Unit not in pairing mode, device too far, interference	Ensure unit is in Bluetooth pairing mode, move device closer, restart both devices.
Poor radio reception	Antenna not connected, poor antenna placement, interference	Check antenna connection, reposition antenna for better signal, avoid sources of electrical interference.
USB playback issues	Incompatible file format, corrupted USB drive	Ensure files are FLAC/MP3/WMA, try a different USB drive, reformat USB drive.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	2.48 x 7.09 x 2.48 inches
Item Weight	5.83 pounds
Item Model Number	230B-6005B-47B
Manufacturer	Herdio
Brand	Herdio
Color	Black
Special Feature	Waterproof
Connectivity Technology	USB, Bluetooth
Tuner Technology	AM, FM
Style	Modern
Power Source	Corded Electric (DC 12V)
Radio Bands Supported	FM (87.5-108MHz), AM (522-1620KHz)
Recommended Uses For Product	Music
Material	Acrylonitrile Butadiene Styrene (ABS)
Speaker Impedance	4-8 Ohms

Feature	Specification
Maximum Output Power (Head Unit)	40W x 4 Channels
Speaker Max Power (Pair)	240W (120W each)




8. WARRANTY AND SUPPORT

Herdio products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or visit the official Herdio website.

You can also visit the [Herdio Store on Amazon](#) for additional product information and support resources.

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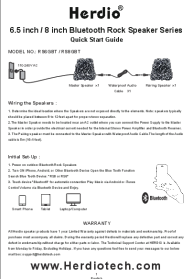
Related Documents - 230B-6005B-47B

	<p>Herdio High Performance In-Ceiling/In-Wall Speakers - Owner's Manual and Installation Guide</p> <p>This document provides installation instructions, technical specifications, and warranty information for Herdio's high-performance in-ceiling and in-wall speaker systems, including models like HCS418, HCS528, HCS628, and HCS828, with and without Bluetooth connectivity.</p>
	<p>Herdio Home Bluetooth Ceiling/Wall Speakers Dual Amplifier System Wiring Program</p> <p>This document outlines the wiring program and Bluetooth operations for Herdio Home Bluetooth In Ceiling/Wall Speakers, featuring a dual amplifier system. It provides step-by-step instructions for connecting speakers, amplifier boxes, and power adapters, along with guidance on pairing Bluetooth devices.</p>
	<p>Herdio Waterproof Indoor Outdoor Speakers Owner's Manual HOS-401 HOS-501 HOS-601</p> <p>This owner's manual provides detailed instructions for the Herdio HOS-401, HOS-501, and HOS-601 waterproof indoor/outdoor speakers, covering installation, wiring, setup, specifications, and warranty information.</p>



[Herdio Universal Bluetooth Amplified Box AMP-BTX01 User Manual](#)

This document provides important safety precautions, Bluetooth operation instructions, and technical specifications for the Herdio Universal Bluetooth Amplified Box AMP-BTX01. It also includes warranty information and installation guides for various Herdio speaker models.



[Herdio 6.5 & 8 Inch Bluetooth Rock Speaker Series Quick Start Guide](#)

This guide provides setup and wiring instructions for Herdio 6.5-inch and 8-inch Bluetooth Rock Speaker Series, including models RS6GBT, RS8GBT, RS6G, and RS8G. Learn how to connect your speakers, pair Bluetooth devices, and understand the product's technical specifications and warranty.



[Herdio 1618 In-Wall Bluetooth Audio Amplifier Receiver System - User Manual & Specifications](#)

Detailed user manual and technical specifications for the Herdio 1618 In-Wall/Wall Mount BT Audio Control Amplifier Receiver System (Model 2AYZ2-1618). Learn about features, installation, power, Bluetooth pairing, and FCC compliance.