

Retro Manufacturing HB-116-117-37-73

Retro Manufacturing Hermosa Direct-Fit Radio User Manual

Model: HB-116-117-37-73

INTRODUCTION

The Retro Manufacturing Hermosa Direct-Fit Radio is designed to seamlessly integrate modern audio technology into classic vehicles while maintaining an authentic vintage appearance. This unit features built-in Bluetooth for hands-free calling and wireless audio streaming, a customizable dual-color display, and a powerful internal amplifier. It also includes multiple input options for external devices, ensuring a versatile audio experience.



Figure 1: Front view of the Hermosa Direct-Fit Radio, showcasing its classic design with modern display.

WHAT'S IN THE BOX

Upon unboxing, please verify that all components are present:

- Retro Manufacturing Hermosa Car Radio Unit
- Wiring Harness (for power and speakers)
- InfiniMount Brackets (pre-installed or separate)
- Knob Shafts (pre-installed or separate)

- External Microphone
- User Manual (this document)

KEY FEATURES

- **Bluetooth Wireless Connectivity:** Enables hands-free phone operation and wireless audio streaming.
- **Integrated Amplifier:** Built-in 25 watts x 4 channel power amplifier (300-watt peak power MOSFET amplifier).
- **Dual-Color Display:** Customizable display with white or green illumination to match vehicle interior.
- **Multiple Inputs:** Rear-mounted USB port for flash drives (MP3/WMA files) and two auxiliary inputs for portable devices.
- **RCA Pre-outs:** Dual RCA pre-outs for connecting external amplifiers.
- **AM/FM Tuner:** Digital tuner with 30 presets for radio stations.
- **Authentic Styling:** Features push-button controls and classic aesthetics.
- **Modular Mounting:** Patented InfiniMount brackets allow flexible shaft positioning.

SETUP AND INSTALLATION

1. Mounting the Unit

The Hermosa radio utilizes a modular design with patented InfiniMount brackets, allowing for flexible installation in various classic vehicle dashboards. The shafts for the control knobs can be adjusted to virtually any angle to accommodate specific dash configurations.



The patented InfiniMount brackets allow you mount your shafts at virtually any angle.

INFINIMOUNT BRACKET

Figure 2: InfiniMount brackets demonstrating adjustable knob shaft positioning.

Ensure the unit is securely mounted within the dashboard opening. Refer to your vehicle's specific installation requirements for best fitment. The knob shafts are designed to be installed after the main unit is in place, allowing for precise alignment with the dashboard openings.



KNOB SHAFTS

Figure 3: Individual knob shafts for the Hermosa radio.

2. Wiring Connections

Connect the provided wiring harness and other accessories to the rear of the radio unit. Ensure all connections are secure to prevent signal loss or malfunction.

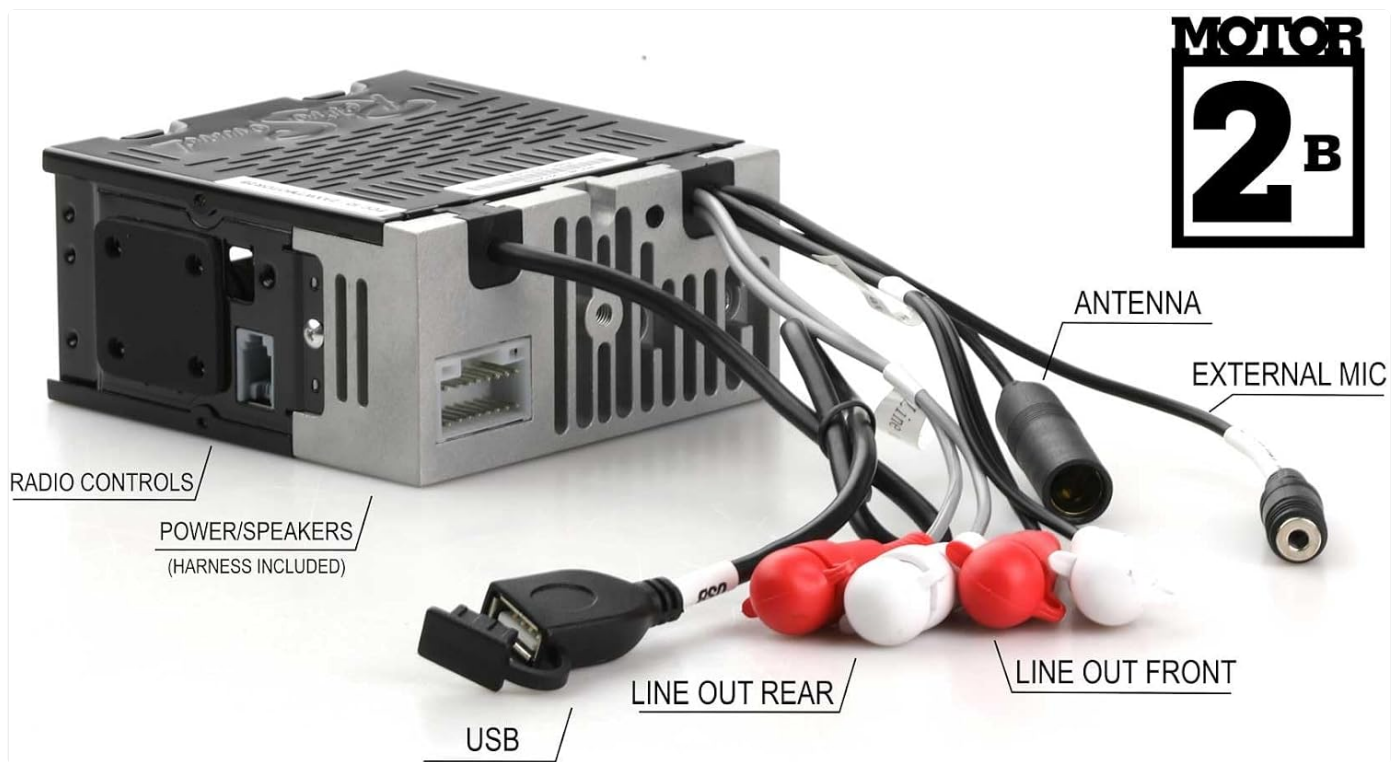


Figure 4: Rear connections of the Hermosa radio with labeled ports.

- **Power/Speakers (Harness Included):** Connect the main wiring harness to your vehicle's power supply and speaker wires. Refer to the harness diagram for correct polarity and connections.
- **USB:** Plug in USB flash drives for playing MP3/WMA music files. This port is located at the rear of the unit.
- **Line Out Front/Rear (RCA):** Use these outputs to connect external amplifiers for enhanced audio performance.
- **Antenna:** Connect your vehicle's AM/FM antenna to this port.
- **External Mic:** Connect the included external microphone for hands-free calling functionality. Position the microphone in a location that provides clear voice pickup, such as on the sun visor or dashboard.



Figure 5: External microphone for hands-free calling.

- **Radio Controls:** These connections are for the main control shafts and push-buttons.
- **Auxiliary Inputs:** Two standard auxiliary inputs are provided for connecting other portable audio devices.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume

Press the left knob to power the unit on or off. Rotate the left knob to adjust the volume level.

2. Source Selection

Use the push-buttons or the right knob to cycle through available audio sources: AM, FM, Bluetooth, USB, and Auxiliary inputs.

3. Radio Operation (AM/FM)

- **Tuning:** Use the right knob to manually tune frequencies or press the seek buttons to automatically find the next strong station.
- **Presets:** Store your favorite stations by holding down a numbered preset button after tuning to the desired station. The unit supports 30 presets.

4. Bluetooth Connectivity

To pair your device:

1. Select Bluetooth as the source on the radio.
2. Enable Bluetooth on your mobile device and search for available devices.

- 3. Select "RetroSound Hermosa" (or similar name) from the list.
- 4. Confirm pairing on your device if prompted.

Once paired, you can stream audio wirelessly and make/receive hands-free calls through the external microphone.

5. USB and Auxiliary Playback

Connect your USB flash drive or portable audio device to the respective input. The unit will automatically switch to the correct source or allow manual selection. Use the radio controls to navigate tracks or adjust playback.

6. Display Customization

The display offers dual-color illumination (white or green). Refer to the on-screen menu or specific button combinations (usually involving holding down a button) to access display settings and change the color to match your vehicle's interior lighting.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit's faceplate and display. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they remain secure, especially after driving on rough terrain.
- **Software Updates:** Check the Retro Manufacturing website for any available firmware updates that may improve performance or add features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Loose power connection; Blown fuse; Vehicle battery issue.	Check wiring harness connections. Inspect and replace fuses if necessary. Verify vehicle battery voltage.
No sound	Volume too low; Mute activated; Loose speaker connections; Incorrect source selected.	Increase volume. Deactivate mute. Check speaker wiring. Ensure correct audio source is selected.
Bluetooth not connecting	Device not in pairing mode; Radio not in Bluetooth mode; Interference.	Ensure both devices are in pairing mode. Select Bluetooth source on radio. Move closer to the unit. Try re-pairing.
Knobs feel loose or wobble	Improper installation of knob shafts; Manufacturing tolerance.	Ensure knob shafts are fully seated and secured. If issue persists, contact Retro Manufacturing support.
Poor radio reception	Antenna not connected; Damaged antenna; Weak signal area.	Check antenna connection. Inspect antenna for damage. Try tuning to a different station or location.

SPECIFICATIONS

- **Model:** HB-116-117-37-73
- **Brand:** Retro Manufacturing
- **Manufacturer:** RetroSound

- **Power Output:** 25 watts RMS x 4 channels (300-watt peak power MOSFET amplifier)
- **Connectivity:** Bluetooth, USB, 3.5mm Jack (Auxiliary), RCA
- **Controller Type:** Push Button
- **Display:** Dual-color (White/Green)
- **Radio Tuner:** AM/FM with 30 presets
- **Product Dimensions:** 4 x 5.38 x 2 inches
- **Item Weight:** 4 pounds
- **Special Features:** Built-In Bluetooth, Modular Mounting (InfiniMount)
- **Compatible Devices:** Smartphone, USB Flash Drives, Portable Audio Devices
- **Audio Output Mode:** Stereo, Surround (4 Channel)

WARRANTY AND SUPPORT

The Retro Manufacturing Hermosa Direct-Fit Radio comes with a **1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please visit the official Retro Manufacturing website or contact their customer service department. Keep your proof of purchase for warranty validation.

You can find more information and contact details on the [Retro Manufacturing Store on Amazon](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question