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› Retro Manufacturing Motor 2 Radio HBC-M2-308-509-40-80 Instruction Manual

Retro Manufacturing HBC-M2-308-509-40-80

Retro Manufacturing Motor 2 Radio Instruction Manual

Model: HBC-M2-308-509-40-80

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1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Retro Manufacturing Motor 2 Radio, model HBC-M2-308-509-40-80. Please read this manual thoroughly before using the product to ensure proper function and longevity.



Image 1.1: Front view of the Retro Manufacturing Motor 2 Radio, featuring a black face, chrome pushbuttons, bezel, and knobs.

2. KEY FEATURES

- AM/FM tuner with 30 presets
- Built-in Bluetooth connectivity (Version 5.0)
- Rear-mounted USB port for flash drives and other devices
- Two rear-mounted auxiliary inputs for portable devices
- Built-in 300-watt (peak power) Mosfet amplifier (25 watts RMS x 4 channels - TrueRating)
- Dual RCA pre-outs for external amplifiers
- Adjustable 3,200 color display
- Patented InfiniMount Brackets for modular mounting, allowing maximum adjustments during installation

3. SETUP AND INSTALLATION

The Retro Manufacturing Motor 2 Radio features modular mounting with patented InfiniMount Brackets, designed for flexible installation. Assembly is required. It is recommended that installation be performed by a qualified professional.

3.1. Package Contents (Typical)

- Motor 2 Radio Unit
- InfiniMount Brackets
- Knob Shafts
- Wiring Harness (Power/Speakers)
- External Microphone
- User Manual (this document)



Image 3.1: Rear connections of the Motor 2 Radio, illustrating ports for antenna, external microphone, radio controls, power/speakers harness, USB, and line-out for front and rear audio.



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

INFINIMOUNT BRACKET

Image 3.2: Patented InfiMount brackets, designed for modular mounting and flexible adjustment during installation.



KNOB SHAFTS

Image 3.3: Knob shafts, which are part of the modular design for the radio's controls.



MICROPHONE

Image 3.4: External microphone, used for hands-free calling and voice commands.

3.2. Wiring Connections

Refer to the wiring diagram included with your product for specific connections. Ensure all connections are secure and properly insulated to prevent damage.

- **Power/Speakers:** Connect the main wiring harness to your vehicle's power supply and speakers.
- **Antenna:** Connect your vehicle's antenna to the designated input.
- **External Mic:** Plug in the external microphone for optimal call quality.
- **USB:** Connect USB devices for media playback or charging.
- **Line Out (Front/Rear):** Use these RCA outputs to connect to external amplifiers.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

Press the left front knob to turn the radio on or off.

4.2. Volume Control

Rotate the left front knob to adjust the volume level.

4.3. Source Selection

Toggle the left rear knob to cycle through available audio sources: AM, FM, AUX 1, AUX 2, USB, and Bluetooth Audio.

4.4. Bluetooth Connection

To pair your device with the radio:

1. Turn the radio on.
2. Press and hold the right front knob for approximately 3 seconds until "AUTO SEEK" appears.
3. Rotate the right front knob clockwise until "BT ON" is displayed. Ensure Bluetooth is enabled.
4. Continue rotating the knob until "BT CONNECT" is displayed.
5. On your mobile device, go to Bluetooth settings and select "RetroSound" from the list of available devices.
6. Once connected, the radio display will show "BT CONNECTED".
7. Toggle the left rear knob to select "BT AUDIO" as the source to play music from your paired device.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the process of connecting a Bluetooth device to the Retro Manufacturing Motor 2 Radio, showing the steps on the radio's display and how to select Bluetooth audio as the source.

4.5. Setting the Clock

1. Turn the radio on.
2. Press and hold the right front knob for approximately 3 seconds until "AUTO SEEK" appears.
3. Rotate the right front knob clockwise until "CLK" (Clock) is displayed.
4. Press the right front knob again to enter the hours adjustment mode. Rotate the knob to set the hour (AM/PM will adjust automatically).
5. Press the right front knob again to enter the minutes adjustment mode. Rotate the knob to set the minutes.
6. Press the right front knob a third time to confirm the clock setting. "CLK" will be displayed.
7. Allow the radio to time out of programming mode (approximately 5 seconds).
8. To display the clock, toggle the left rear knob two times.

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Video 4.2: This video demonstrates how to set the clock on the Retro Manufacturing Motor 2 Radio, guiding the user through the programming mode and time adjustment steps.

4.6. Adjusting Display Color

The radio features an adjustable 3,200 color display. To change the display color:

1. Turn the radio on.
2. Press and hold the right front knob until "AUTO SEEK" appears.
3. Rotate the right front knob clockwise until the current color setting (e.g., "BLUE") is displayed.
4. Press the right front knob again to cycle through preset color options (e.g., "GREEN", "ORANGE", "AMBER").
5. To create a custom color, rotate the right front knob until "USER" is displayed, then press the knob.
6. You will now be in RGB mode. Rotate the knob to adjust the Red, Green, and Blue values. Press the knob to switch between R, G, and B adjustments.
7. Once your desired color is set, allow the radio to time out of programming mode.

Your browser does not support the video tag.

Video 4.3: This video illustrates how to adjust the color display on the Retro Manufacturing Motor 2 Radio, including cycling through preset colors and customizing RGB values.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's display and exterior. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure.
- **Software Updates:** Check the Retro Manufacturing website for any available firmware updates for your radio model.

6. TROUBLESHOOTING

6.1. No Power

- Check the vehicle's fuse box for blown fuses.
- Verify all power connections to the radio are secure.

6.2. No Audio

- Ensure the volume is turned up.
- Check speaker connections.
- Verify the correct audio source is selected (AM/FM, AUX, USB, BT Audio).

6.3. Bluetooth Pairing Issues

- Ensure Bluetooth is enabled on both the radio and your mobile device.
- Try forgetting the device on your phone and re-pairing.
- Ensure no other devices are actively connected to the radio via Bluetooth.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	12 x 5 x 12 inches
Item Weight	4 pounds
Model Number	HBC-M2-308-509-40-80
Brand	Retro Manufacturing
Connectivity Technology	Bluetooth
Controller Type	Mechanical knob
Compatible Devices	Smartphone
Surround Sound Channel Configuration	4 Channel
Color	Black
Wireless Communication Technology	Bluetooth
UPC	681402271344

8. WARRANTY AND SUPPORT

This Retro Manufacturing Motor 2 Radio comes with a **1-Year Warranty** from the manufacturer. For warranty claims, technical support, or further assistance, please contact Retro Manufacturing directly.

Manufacturer: Retro Manufacturing

For the latest information and support resources, please visit the official Retro Manufacturing website or their Amazon store page: [Retro Manufacturing Amazon Store](#)

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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