

Retro Manufacturing LC-117-120-03-73-B

Retro Manufacturing LC-117-120-03-73-B Radio User Manual

For 1968-72 Chevy Chevelle/El Camino

1. INTRODUCTION

Thank you for choosing the Retro Manufacturing LC-117-120-03-73-B radio. This manual provides detailed instructions for the installation, operation, and maintenance of your new car radio, specifically designed for 1968-72 Chevrolet Chevelle and El Camino vehicles. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your listening experience.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits and damage.
- Ensure all wiring connections are secure and properly insulated to prevent electrical hazards.
- Do not operate the radio in a manner that distracts you from driving. Always prioritize road safety.
- Consult a professional installer if you are unsure about any part of the installation process.
- Keep the unit away from excessive moisture and extreme temperatures.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Retro Manufacturing LC-117-120-03-73-B Radio Unit
- InfiniMount Brackets (assembly required)
- Knob Shafts
- Knob Set (03-73)
- Mounting Strap (8.5" with hardware)

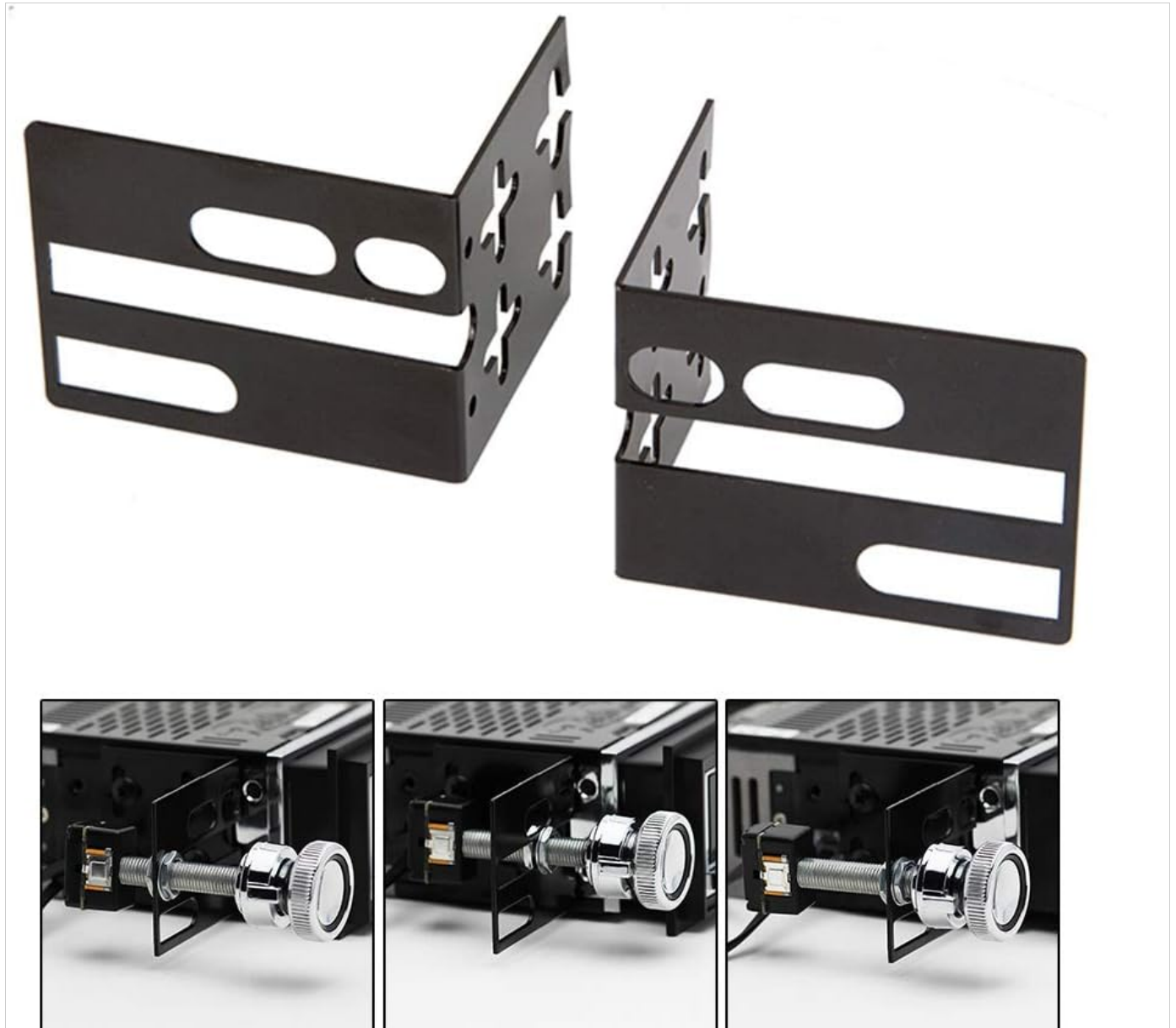
- Wiring Harness
- User Manual (this document)
- Optional: Sirius XSV300V1 tuner (sold separately)

4. SETUP AND INSTALLATION

The Retro Manufacturing radio features a modular design for flexible installation.

4.1. InfiniMount Brackets

The patented InfiniMount brackets allow for maximum adjustment during installation, ensuring a factory-like fit. These brackets enable you to mount the radio's shafts at virtually any angle.



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

INFINIMOUNT BRACKET

Figure 4.1: InfiniMount brackets demonstrating flexible shaft mounting. The brackets provide multiple attachment points for precise positioning of the control shafts.

4.2. Radio Unit Dimensions

The main radio unit (motor) has compact dimensions to fit various dash configurations. Refer to the image below for precise measurements.

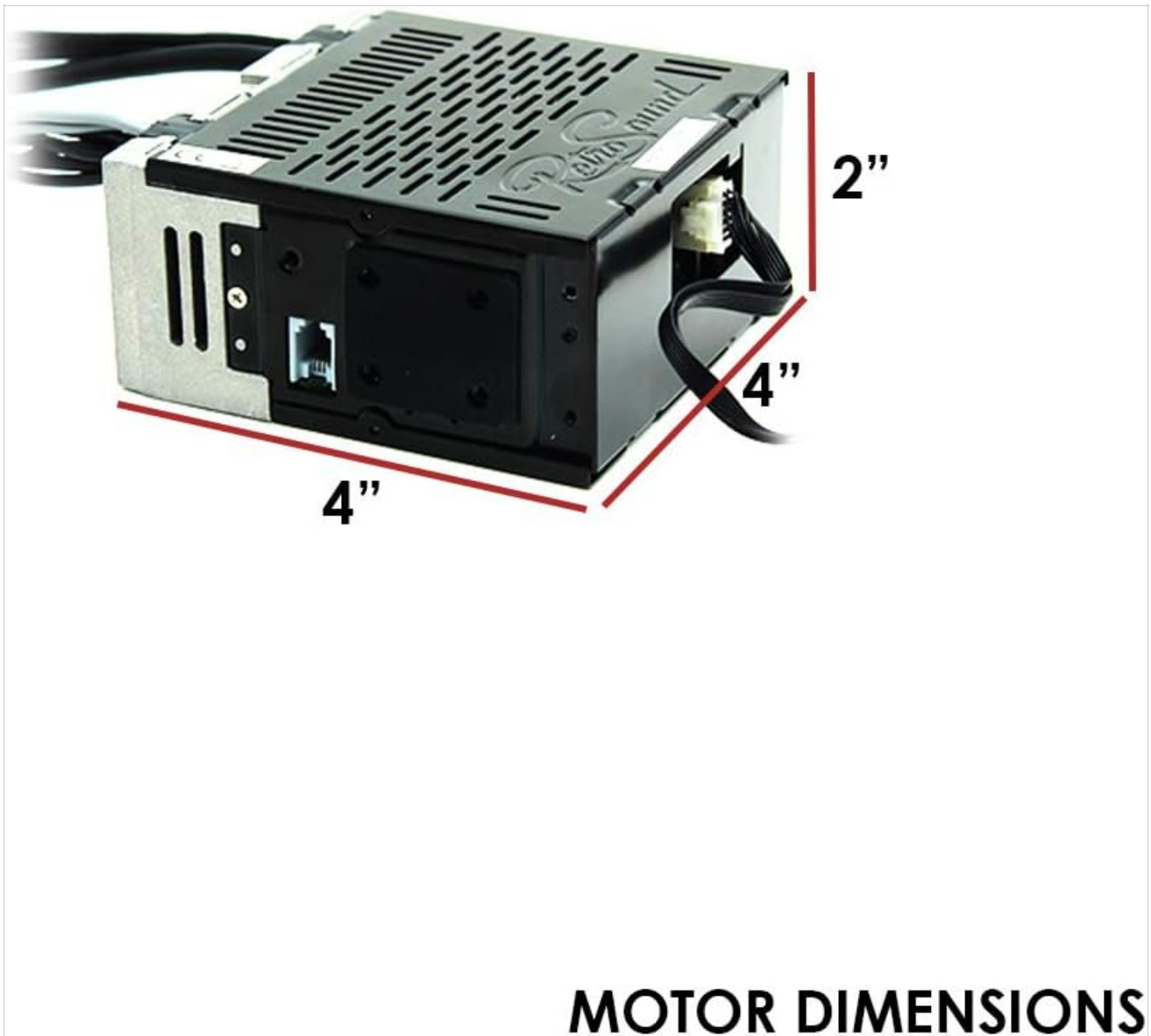


Figure 4.2: Motor dimensions of the radio unit. The unit measures approximately 4 inches deep, 4 inches wide, and 2 inches high.

4.3. Knob Shafts and Knob Set

The radio utilizes separate knob shafts that connect to the main unit and allow for the attachment of the included knob set (03-73). These shafts provide the tactile control for volume, tuning, and other functions.



KNOB SHAFTS

Figure 4.3: Individual knob shafts. These shafts connect to the radio unit and provide the interface for the control knobs.



Figure 4.4: Knob Set 03-73. This image displays one of the chrome control knobs included with the radio.

4.4. Mounting Strap

An 8.5-inch mounting strap and hardware are included to secure the rear of the radio unit. This strap attaches to the anchor point on the back of the radio and helps stabilize the installation.



*Anchor point for 8.5" mounting strap.
Hardware included.*



MOUNTING STRAP

Figure 4.5: Mounting strap and radio anchor point. The 8.5-inch strap provides additional rear support for the radio unit.

4.5. Wiring Connections

Connect the included wiring harness to your vehicle's electrical system. Ensure proper connections for power, ground, speakers, and any auxiliary inputs. Refer to your vehicle's wiring diagram for specific connections.

- **Power:** Connect the yellow wire to constant 12V, red wire to switched 12V (ignition), and black wire to ground.
- **Speakers:** Connect the speaker wires to your vehicle's speakers, ensuring correct polarity. The radio supports 4 channels.
- **Auxiliary Inputs:** Two rear-mounted auxiliary inputs are available for external devices.
- **USB Ports:** Two rear-mounted USB ports are provided for iPod/iPhone or USB flash drives.
- **Antenna:** Connect your vehicle's antenna to the radio's antenna input.
- **SiriusXM (Optional):** If using the Sirius XSV300V1 tuner (sold separately), connect it according to its instructions.

5. OPERATING INSTRUCTIONS

5.1. Basic Controls

- **Power On/Off:** Press the volume knob to turn the unit on or off.
- **Volume Control:** Rotate the volume knob to adjust the audio level.
- **Mode Selection:** Use the mode button (typically on the faceplate) to cycle through available sources (AM/FM, Bluetooth, USB, Auxiliary, SiriusXM).
- **Display:** The radio features a 32,000 color display. Settings for display color and brightness can be adjusted through the menu.

5.2. AM/FM Radio

- **Tuning:** Use the tuning knob or seek buttons to find radio stations.
- **Presets:** The radio supports 30 presets (18 FM, 12 AM). To save a station, tune to the desired frequency, then press and hold a preset button until you hear a confirmation beep.
- **RDS Tuner:** The built-in RDS tuner displays station information (e.g., song title, artist) where available.

5.3. Bluetooth Connectivity

The radio features built-in Bluetooth for hands-free calling and audio streaming.

1. Turn on the radio and select Bluetooth mode.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "RetroSound" or a similar name from the list.
4. Once paired, you can stream audio or make/receive calls through the radio.

5.4. USB and iPod/iPhone Connectivity

Connect your iPod/iPhone or a USB flash drive to one of the two rear-mounted USB ports. The radio supports "Made for iPod/iPhone" functionality, allowing control of your Apple devices via USB or Bluetooth.

- Use the radio controls to navigate through your music library on the connected device.
- Supported audio formats include WMA.

5.5. Auxiliary Inputs

Two rear-mounted auxiliary inputs allow you to connect external audio devices using a 3.5mm audio cable (not included). Select the Auxiliary source on the radio to listen to the connected device.

5.6. SiriusXM-Ready (with optional tuner)

The radio is SiriusXM-Ready. If you have installed the optional Sirius XSV300V1 tuner (sold separately), you can access SiriusXM satellite radio channels.

- Select the SiriusXM source on the radio.
- Follow the instructions provided with your SiriusXM tuner for activation and channel navigation.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's faceplate and display. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Software Updates:** Check the Retro Manufacturing website for any available firmware updates for your radio model.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Blown fuse; incorrect wiring; loose connection.	Check vehicle fuses and radio fuse. Verify power and ground connections. Ensure all wires are securely connected.
No sound	Volume too low; mute activated; incorrect speaker wiring; amplifier issue.	Increase volume. Check if mute is active. Verify speaker connections and polarity. If using an external amplifier, check its power and connections.
Bluetooth not pairing	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 radio. Try restarting both devices.
USB device not recognized	Unsupported file format; damaged USB drive; incorrect connection.	Ensure files are in a supported format (e.g., WMA). Try a different USB drive or cable. Ensure the USB device is properly inserted.
Poor radio reception	Antenna not connected; damaged antenna; weak signal area.	Check antenna connection. Inspect antenna for damage. Try tuning to a stronger station or moving the vehicle.

8. SPECIFICATIONS

- **Model Number:** LC-117-120-03-73-B
- **Brand:** Retro Manufacturing
- **Connectivity Technology:** Bluetooth
- **Controller Type:** Mechanical knob
- **Special Features:** AM Tuner, Built-In Bluetooth, FM Tuner, Multi Color Illumination, RCA, Sirius XM-Ready
- **Compatible Devices:** Smartphone, iPod/iPhone, USB flash drives
- **Connector Type:** USB Type A
- **Audio Output Mode:** Stereo
- **Surround Sound Channel Configuration:** 4 Channel
- **Radio Unit Dimensions (D x W x H):** Approximately 4"D x 4"W x 2"H (as per motor dimensions image)
- **Item Weight:** 4 Pounds
- **Output Power (RMS):** 25 Watts x 4 channels (TrueRating)
- **Peak Output Power:** 300 Watts
- **Supported Audio Format:** WMA
- **Audio Output Type:** Bluetooth, RCA, USB
- **Manufacturer:** RetroSound
- **UPC:** 705641194940

9. WARRANTY INFORMATION

This Retro Manufacturing radio comes with a **2-year warranty**. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Retro Manufacturing website.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty claims, please contact Retro Manufacturing customer support.

- **Manufacturer:** RetroSound
- **Online Store:** [Retro Manufacturing Store on Amazon](#)
- Please visit the official Retro Manufacturing website for contact details and further support resources.

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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