

PAC LCGM24

PAC LCGM24 Radio Replacement Interface User Manual

Model: LCGM24 | Brand: PAC

1. INTRODUCTION

The PAC LCGM24 is a radio replacement interface designed for use with select non-amplified Class II GM vehicles equipped with a 24-pin connector. This interface facilitates the installation of an aftermarket radio while retaining essential vehicle features, such as safety warning chimes and providing a 10-minute Retained Accessory Power (RAP) output.

2. KEY FEATURES

- Retains all safety warning chimes when the factory radio is replaced.
- Provides a 10-minute Retained Accessory Power (RAP) output.
- Compatible with select non-amplified Class II GM vehicles.
- Features a 24-pin connector for direct integration.
- Firmware updateable via PAC website using a PAC-UP USB adapter (sold separately).

3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- PAC LCGM24 Interface Module
- Vehicle-specific Wiring Harness
- Instruction Manual (this document)

4. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Always disconnect the vehicle's negative battery terminal before beginning any electrical installation to prevent electrical shorts and damage. Ensure all connections are secure and properly insulated to avoid malfunctions. Professional

installation is recommended.

5. INSTALLATION AND SETUP

The PAC LCGM24 interface is designed for integration into your vehicle's existing wiring system. Refer to your aftermarket radio's installation manual and your vehicle's wiring diagram for specific connections.



Image showing the compact black PAC LCGM24 interface module with various wiring harnesses connected, designed for integrating aftermarket radios into select GM vehicles.

General Installation Steps:

1. **Prepare the Vehicle:** Disconnect the negative battery terminal. Remove the factory radio from the dashboard.
2. **Identify Vehicle Wiring:** Locate the factory 24-pin connector in your vehicle's radio harness.
3. **Connect Aftermarket Radio:** Connect the aftermarket radio's wiring harness to the PAC LCGM24 interface harness according to the color codes and functions specified in both the radio's manual and the LCGM24's specific wiring instructions (if provided separately by PAC).
4. **Connect LCGM24 to Vehicle:** Plug the 24-pin connector from the LCGM24 interface into the corresponding factory harness in your vehicle.
5. **Secure Connections:** Ensure all connections are tight and properly insulated using electrical tape or heat shrink tubing.
6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the negative battery terminal and test the aftermarket radio's functionality, including audio, power, and the retention of safety chimes.
7. **Mount the Interface:** Secure the LCGM24 module in a safe, dry location behind the dashboard, away from moving parts or heat sources.
8. **Reassemble:** Reinstall the aftermarket radio and dashboard components.

Firmware Updates:

The LCGM24 interface can be updated if new firmware becomes available. This requires a PAC-UP USB adapter (sold separately). Visit the official PAC website for the latest firmware and update instructions.

6. OPERATION

Once correctly installed, the PAC LCGM24 operates automatically. It ensures that your vehicle's safety warning chimes function as intended through your aftermarket radio. Additionally, it provides a 10-minute Retained Accessory Power (RAP) output, allowing the radio to remain on for a short period after the ignition is turned off, until a door is opened, mimicking the factory radio's behavior.

7. MAINTENANCE

The PAC LCGM24 interface is a sealed unit and requires no user maintenance. Ensure that all wiring connections remain secure and free from moisture or physical damage. Do not attempt to open or repair the module, as this will void the warranty.

8. TROUBLESHOOTING

- **No Power to Aftermarket Radio:**

Check: Verify all power and ground connections from the LCGM24 to the aftermarket radio and the vehicle. Ensure the vehicle's fuse for the radio is intact.

- **No Safety Chimes:**

Check: Confirm the LCGM24 is properly connected to the vehicle's data bus wires. Ensure the aftermarket radio's volume is not muted or set too low.

- **RAP (Retained Accessory Power) Not Functioning:**

Check: Ensure the LCGM24 is receiving proper ignition and accessory signals from the vehicle. Verify the door trigger input is correctly connected.

- **Intermittent Issues:**

Check: Inspect all wiring connections for looseness or corrosion. Ensure the LCGM24 module is securely mounted and not exposed to excessive vibration.

If issues persist after performing these checks, contact PAC technical support or consult a professional installer.

9. SPECIFICATIONS

| Attribute | Detail |
|-----------------------------|-------------------|
| Brand | PAC |
| Model | LCGM24 |
| Connector Type | 24-pin |
| Material | Copper, PVC/TPE |
| Item Dimensions (L x W x H) | 12 x 5 x 1 inches |
| Item Weight | 0.24 Pounds |
| UPC | 606523109482 |

10. WARRANTY AND SUPPORT

Warranty Information:

For detailed warranty information regarding the PAC LCGM24, please contact the manufacturer directly. Warranty terms and conditions may vary.

Technical Support:

If you encounter any difficulties during installation or operation, or require further assistance, please visit the official PAC website or contact their customer support team. Have your product model number (LCGM24) and vehicle information ready when contacting support.