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## PAC LCGM29

# PAC LCGM29 Radio Replacement Interface User Manual

Model: LCGM29

## INTRODUCTION

This manual provides instructions for the installation and operation of the PAC LCGM29 Radio Replacement Interface. This interface is designed to retain essential vehicle features when replacing the factory radio in select non-amplified 29-Bit LAN GM vehicles without Bose or OnStar systems.



This image displays the PAC LCGM29 interface module alongside its multi-colored wiring harness, ready for connection to a vehicle's electrical system and an aftermarket radio.

## KEY FEATURES

- Retains all safety warning chimes when the factory radio is replaced.
- Provides 10-minute Retained Accessory Power (RAP) output.
- In-package updatable using the PAC-UP.
- Includes 14-Pin & 16-pin connectors.

## VEHICLE COMPATIBILITY

The LCGM29 interface is compatible with select General Motors (GM) vehicles equipped with a 29-Bit LAN system and without factory Bose or OnStar audio systems. It is designed for non-amplified vehicle sound systems.

## PACKAGE CONTENTS

- Radio Replacement Interface (LCGM29 module and wiring harness)



A close-up view of the PAC LCGM29 module, clearly showing the 'LCGM29' model designation printed on its label.

## INSTALLATION INSTRUCTIONS

**Important:** Professional installation is recommended. Disconnect the vehicle's negative battery terminal before beginning installation.

1. Remove the factory radio from the vehicle dashboard.
2. Connect the PAC LCGM29 wiring harness to the aftermarket radio's wiring harness according to the wiring diagram provided with your aftermarket radio and the LCGM29.
3. Connect the vehicle-specific connector from the LCGM29 harness to the vehicle's factory radio harness.
4. Connect the LCGM29 module to its corresponding connector on the harness.
5. Secure the LCGM29 module and excess wiring in a safe location behind the dashboard, away from moving parts or heat sources.
6. Reinstall the aftermarket radio into the dashboard.
7. Reconnect the vehicle's negative battery terminal.
8. Test all functions of the aftermarket radio and vehicle chimes.

## OPERATING INSTRUCTIONS

The PAC LCGM29 operates automatically once installed. It ensures that safety warning chimes function correctly and provides retained accessory power (RAP) for a period after the ignition is turned off, mimicking the factory radio's behavior.

- **Retained Accessory Power (RAP):** After turning off the ignition, the aftermarket radio will remain powered for approximately 10 minutes or until a vehicle door is opened, whichever occurs first.
- **Safety Chimes:** All factory safety warning chimes (e.g., seatbelt, door ajar, low fuel) will be retained and function through the vehicle's audio system.

## MAINTENANCE

The PAC LCGM29 interface is designed for maintenance-free operation. Ensure all connections are secure

during installation. No user-serviceable parts are inside the module.

- Keep the module free from moisture and extreme temperatures.
- Do not attempt to open or modify the module, as this will void the warranty.

## TROUBLESHOOTING

Issue	Possible Cause	Solution
No audio from aftermarket radio.	Incorrect wiring connections.	Verify all wiring connections between the LCGM29, aftermarket radio, and vehicle harness.
No safety chimes.	LCGM29 module not powered or faulty.	Check power connections to the LCGM29. Ensure the module is securely connected to its harness.
Retained Accessory Power (RAP) not functioning.	Incorrect wiring or vehicle specific issue.	Confirm the accessory wire from the LCGM29 is correctly connected to the aftermarket radio.
Vehicle battery drain.	Incorrect wiring or module malfunction.	Ensure all connections are correct and secure. If the issue persists, contact technical support.

For further assistance, refer to the PAC website or contact technical support.

## SPECIFICATIONS

- **Brand:** PAC
- **Model:** LCGM29
- **Material:** Copper (Core), Polyvinyl Chloride (PVC) (Jacket)
- **Item Dimensions (L x W x H):** 12 x 1 x 5 inches
- **Item Weight:** 3.2 ounces
- **Connector Type:** IDC, 3.5mm Jack or 3.5mm Mini-phone
- **Compatibility:** Select Non-Amplified 29-Bit LAN GM Vehicles (without Bose or OnStar)

## LEGAL DISCLAIMER

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## SUPPORT AND WARRANTY

For technical support or warranty information, please visit the official PAC website or contact their customer service department. Keep your purchase receipt for warranty claims.