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## PAC LC-1

# PAC LC-1 Remote Amplifier Level Controller User Manual

Model: LC-1 | Brand: PAC

## INTRODUCTION

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The PAC LC-1 is a remote amplifier level controller designed to provide convenient adjustment of an amplifier's output level. This unit allows users to fine-tune the volume of any RCA line-level signal from a remote location, such as the vehicle's dashboard. It is ideal for adding subwoofer level control or balancing multiple amplifier installations.



Image: The PAC LC-1 Remote Amplifier Level Controller, a compact black unit with a control knob and RCA connections.

### Key Features:

- Adds subwoofer level controls to any head unit.
- Enables volume balance in any part of an amplified system.
- Provides preamp stereo remote level control.
- Designed for in-dash or under-dash mounting.
- Includes a remote mounting bracket for flexible installation.

### WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- PAC LC-1 Remote Amplifier Level Controller
- Instruction Manual

### SETUP AND INSTALLATION

The PAC LC-1 is designed for straightforward installation. Ensure the vehicle's power is disconnected before beginning any wiring.

## Mounting:

1. Choose a suitable mounting location within the vehicle, such as in the dash or under the dash, that is easily accessible to the user.
2. Use the included remote mounting bracket to secure the LC-1 in place. Ensure the mounting surface is stable and free from obstructions.

## Wiring Connections:

The LC-1 connects inline with your existing RCA cables. No additional power wiring is required for the unit itself.

1. Locate the RCA output cables from your head unit (or other audio source) that feed into your amplifier.
2. Disconnect these RCA cables from the amplifier's input.
3. Connect the RCA output cables from your head unit to the **INPUT** jacks on the PAC LC-1.
4. Connect the **OUTPUT** jacks of the PAC LC-1 to the corresponding RCA input jacks on your amplifier.



Image: Close-up of RCA cables, illustrating the input and output connections for the PAC LC-1.

Ensure all connections are secure to prevent signal loss or interference. Once connections are made, reconnect the vehicle's power and test the system.

## OPERATING INSTRUCTIONS

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The PAC LC-1 provides simple, intuitive control over your audio system's amplifier level.

1. **Adjusting Level:** Rotate the knob on the front of the LC-1 to increase or decrease the output level of the connected amplifier. Turning the knob clockwise typically increases the level, while turning it counter-clockwise decreases the level.
2. **Subwoofer Control:** When used for subwoofer control, the knob allows you to adjust the bass output independently of the main system volume.
3. **System Balance:** In multi-amplifier setups, the LC-1 can be used to balance the volume levels between different amplifiers for optimal sound staging.
4. **Mute Functionality:** Turning the knob completely counter-clockwise will effectively mute the signal to the connected amplifier, providing full control over the audio output.



Image: The PAC LC-1 unit showing the central control knob for level adjustment.

## MAINTENANCE

The PAC LC-1 is a low-maintenance device. Follow these guidelines to ensure longevity:

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the unit to extreme temperatures or moisture.
- Ensure all connections remain secure. Periodically check RCA connections for tightness.
- Do not attempt to open the unit or perform internal repairs, as this may void the warranty.

## TROUBLESHOOTING

If you experience issues with your PAC LC-1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or very low sound from amplifier.	LC-1 knob turned down completely; loose RCA connections; incorrect wiring.	Turn the LC-1 knob clockwise to increase volume. Check all RCA connections for tightness and correct input/output orientation.
Distorted sound.	LC-1 level set too high, causing signal clipping; poor quality RCA cables.	Reduce the LC-1 level. Ensure amplifier gains are set correctly. Consider using higher quality shielded RCA cables.
Intermittent sound.	Loose RCA connections; damaged RCA cable.	Check and secure all RCA connections. Replace any damaged RCA cables.

If the problem persists after trying these solutions, consult a professional audio installer or contact PAC customer support.

## SPECIFICATIONS

Feature	Detail
Model Number	LC-1
Dimensions (L x W x H)	1 x 2 x 0.75 inches
Material	Plastic
Mounting Type	Surface Mount

Feature	Detail
Number of Channels	1
Operating Temperature	Up to 85 Degrees Celsius
Weight	2.4 ounces

## WARRANTY AND SUPPORT

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The PAC LC-1 comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please note that the warranty does not cover misuse of the product, improper installation, or damage caused by external factors.

For technical support, warranty claims, or further assistance, please contact PAC customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.