

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [AudioControl](#) /
- › [AudioControl LC7i User Manual](#)

AudioControl LC7i

AudioControl LC7i User Manual

6-Channel Line Output Converter with AccuBASS Bass Restoration

INTRODUCTION

The AudioControl LC7i is a 6-channel line output converter designed to integrate aftermarket amplifiers with factory installed audio systems. It features AccuBASS bass restoration, GTO signal sensing turn-on, and internal signal summing, providing a clean, high-quality signal for your audio system. This manual provides essential information for the proper installation, operation, and maintenance of your LC7i unit.

For a detailed PDF version of this manual, please refer to the [User Manual \(PDF\)](#).

SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any installation.
- Ensure all wiring is properly insulated and secured to prevent shorts and damage.
- Do not mount the unit in locations exposed to excessive heat, moisture, or direct sunlight.
- Consult a professional installer if you are unsure about any part of the installation process.
- Use appropriate fuses as specified in the wiring diagrams to protect the unit and your vehicle's electrical system.

PRODUCT OVERVIEW

The AudioControl LC7i is engineered to provide optimal audio signal conversion and bass restoration. Below are images illustrating the unit's various angles and connections.



Front view of the LC7i, showing output level controls and AccuBASS threshold.



Angled view of the LC7i, highlighting the speaker level inputs and main outputs.



Side view of the LC7i, detailing the terminal blocks for power, ground, and remote connections.



Top view of the LC7i, displaying the RCA outputs for connection to external amplifiers.

SETUP AND INSTALLATION

Wiring Connections

- **Power (+12V):** Connect to a constant +12V source from the vehicle's battery, fused appropriately.
- **Ground (GND):** Connect to a clean, solid chassis ground point.
- **Remote In (REM IN):** Connect to the remote turn-on lead from your head unit, or utilize the GTO signal sensing feature.
- **Remote Out (REM OUT):** Provides a 12V remote turn-on signal for your aftermarket amplifiers.
- **Speaker Level Inputs:** Connect the speaker wires from your factory head unit or amplifier to the corresponding input terminals (Main, Channel 2, Channel 3). Ensure correct polarity.
- **RCA Outputs:** Connect the RCA outputs (Main, Channel 2, Channel 3) to the inputs of your aftermarket amplifiers.

Mounting

Mount the LC7i in a secure, dry location away from direct heat sources. Ensure adequate ventilation around the unit. Common mounting locations include under seats, in the trunk, or behind dashboard panels.

OPERATING INSTRUCTIONS

Output Level Adjustment

Each channel (Main, Channel 2, Channel 3) has an independent output level control. Adjust these controls to match the input sensitivity of your connected amplifiers. Start with the LC7i output levels at minimum and gradually increase them while monitoring for distortion.

AccuBASS Bass Restoration

The AccuBASS feature restores bass frequencies that are often rolled off by factory audio systems at higher volumes. The LC7i includes two controls for AccuBASS:

- **Level:** Adjusts the amount of bass restoration applied.
- **Threshold:** Determines the volume level at which the AccuBASS circuit begins to engage. Set this to the point where your factory system starts to roll off bass.

Proper adjustment of AccuBASS ensures a full, rich bass response without distortion.

GTO Signal Sensing

The GTO (Great Turn-On) signal sensing feature allows the LC7i to automatically turn on when it detects an audio signal from the factory head unit, eliminating the need for a separate remote turn-on wire from the head unit. This feature is active by default.

MAINTENANCE

The AudioControl LC7i requires minimal maintenance. Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use harsh chemicals or solvents.

Periodically check all wiring connections to ensure they are secure and free from corrosion. Ensure adequate airflow around the unit to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	No power to LC7i; Incorrect input/output connections; Amplifier not turning on.	Check power and ground connections. Verify speaker level inputs and RCA outputs. Ensure remote turn-on signal is present for amplifiers.
Distorted sound	Input signal too high; Output level too high; Improper AccuBASS settings.	Reduce input signal from head unit. Lower LC7i output levels. Adjust AccuBASS Level and Threshold.
Unit not turning on	No +12V power; Faulty ground; GTO not detecting signal; Remote In not connected.	Verify power and ground connections. Ensure audio signal is present for GTO. Connect a remote wire if GTO is not desired or functional.
Weak bass response	AccuBASS not properly set; Incorrect input summing; Low output level to subwoofer amplifier.	Adjust AccuBASS Level and Threshold. Ensure proper input summing if required for your setup. Increase output level to the subwoofer amplifier.

If problems persist after attempting these solutions, please contact AudioControl customer support or consult a qualified car audio technician.

SPECIFICATIONS

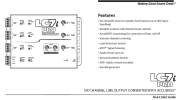
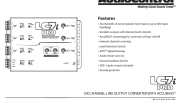

Feature	Detail
Product Dimensions	10.1 x 7.6 x 2.8 inches
Item Weight	8 ounces
Model Number	LC7i
Color	Black
Manufacturer	AudioControl
Date First Available	December 27, 2012
What's in the box	LC7i unit




WARRANTY AND SUPPORT

Warranty information for the AudioControl LC7i is typically included with the product packaging. Please refer to the documentation provided at the time of purchase for specific warranty terms and conditions.

For technical support, product registration, or additional resources, please visit the official AudioControl website or contact their customer service department. You can also find more information on their Amazon Brand Store: [AudioControl Store](#).

Related Documents - LC7i

	<p>AudioControl LC7i PRO Six Channel Line Output Converter Quick Start Guide</p> <p>Quick Start Guide for the AudioControl LC7i PRO, a six-channel line output converter with AccuBASS processing, GTO signal sensing, and impedance matching for integrating aftermarket audio systems with factory head units.</p>
	<p>AudioControl LC7i PRO Six Channel Line Output Converter with AccuBASS Quick Start Guide</p> <p>The AudioControl LC7i PRO is a six-channel line output converter designed to integrate aftermarket amplifiers with factory car audio systems. It features active speaker-level inputs (up to 40V), variable outputs with discrete level controls, AccuBASS® processing to correct factory bass roll-off, internal channel summing, Load Selection Switch, GTO™ Signal Sensing, Audio Sense turn-on, Ground Isolation Switch, and includes an ACR-1 dash remote. This quick start guide provides essential installation and setup instructions for optimal sound integration.</p>
	<p>AudioControl LC7i 6-Channel Line Output Converter User Manual</p> <p>Comprehensive user manual for the AudioControl LC7i 6-Channel Line Output Converter, detailing AccuBASS processing, installation, features, and warranty information for integrating aftermarket audio with factory car stereo systems.</p>

 <p>LC7i Six Channel Line Output Converter with AccuBASS™ for interfacing with factory-installed audio systems</p> <p>The LC7i transforms your factory-installed factory radio into a superior audio system! It's a unique six-channel, high-performance active line output converter with AudioControl's patent-pending AccuBASS™ compensation that corrects the bass roll-off present in most factory-installed audio systems. The LC7i accepts up to six channels of speaker-level input from factory-installed speakers and converts them into high-quality, speaker-level signals. You get the best of both worlds: the convenience of a factory-installed system and the performance of a high-performance aftermarket system. The LC7i also features a unique bass roll-off compensation that corrects the bass roll-off present in most factory-installed audio systems. The LC7i also features a unique bass roll-off compensation that corrects the bass roll-off present in most factory-installed audio systems. The LC7i also features a unique bass roll-off compensation that corrects the bass roll-off present in most factory-installed audio systems.</p> <p>AudioControl Riding the Sound Wave</p> <p>page 1</p>	<p>AudioControl LC7i Six Channel Line Output Converter with AccuBASS™ for Factory Audio Systems</p> <p>Upgrade your factory audio system with the AudioControl LC7i, a six-channel line output converter featuring patent-pending AccuBASS™ compensation to correct bass roll-off. Convert speaker-level signals to high-quality pre-amp level for aftermarket amplifiers and speakers, maintaining factory aesthetics. Ideal for car audio enthusiasts seeking enhanced sound performance.</p>
 <p>LC7i Six Channel Line Output Converter with AccuBASS™ for interfacing with factory-installed audio systems</p> <p>The LC7i transforms your factory-installed factory radio into a superior audio system! It's a unique six-channel, high-performance active line output converter with AudioControl's patent-pending AccuBASS™ compensation that corrects the bass roll-off present in most factory-installed audio systems. The LC7i also features a unique bass roll-off compensation that corrects the bass roll-off present in most factory-installed audio systems. The LC7i also features a unique bass roll-off compensation that corrects the bass roll-off present in most factory-installed audio systems.</p> <p>AudioControl Riding the Sound Wave</p> <p>page 1</p>	<p>AudioControl LC7i Six Channel Line Output Converter with AccuBASS™</p> <p>The AudioControl LC7i is a compact, six-channel, high-performance active line output converter designed to integrate aftermarket audio systems with factory-installed units. It features patent-pending AccuBASS™ compensation to correct bass roll-off, GTO™ signal sensing for automatic turn-on, and AutoMode for flexible input routing. This manual provides installation, operation, and troubleshooting guidance for the LC7i.</p>
 <p>AudioControl Riding the Sound Wave</p> <p>page 1</p>	<p>AudioControl LC7i PRO Six Channel Line Output Converter with AccuBASS® Quick Start Guide</p> <p>Quick start guide for the AudioControl LC7i PRO, a six-channel line output converter featuring AccuBASS® processing, GTO™ Signal Sensing, and variable outputs for integrating aftermarket amplifiers with factory sound systems.</p>