

OEM
Interface

KEY REASONS TO BUY THE LC8i[™]

FOR RETAIL USE ONLY
CONFIDENTIAL

Eight Channel Line Output Converter

Key Features

- Eight input and eight output channels
- Speaker Level Inputs (accepts up to 400 watts per channel!)
- Internal Channel Summing
- Level matching controls
- 12 volt trigger output
- Bulletproof Warranty (5 years!)

New Features

- Auxiliary Input for iPod or Satellite Radio
- Included Dash Remote controls both Auxiliary Volume and Subwoofer Output
- Selectable AutoMode Subwoofer Output
- Selectable GTO (Great Turn On) signal sensing inputs (no need to run a turn on lead from the deck!)

Who is The Customer?

Vehicles with Convenience Features

The convenience features that car manufacturers are integrating into factory-installed head units are cool, and most new car owners don't want to give them up. Some of the features available (and sometimes standard) on new cars are steering wheel controls, navigation, On-star, speed sensitive volume controls, and satellite radio. The LC8i lets you retain all of these functions and upgrade the sound of the system and add an iPod or other Aux Input.

European Cars

More and more of today's high end European automobiles are coming with complex fiber optic and data bus systems, so the need to have a line output converter that can handle high input impedance has never been greater. The LC8i allows you to keep the factory signal path intact and, still add high quality aftermarket amplifiers and speakers to the system.

iPod Owners

Almost everyone has an iPod or a satellite radio. The new LC8i provides a fast and easy portal with an Auxiliary input and the included dash remote will switch function from man in to Aux in. The LC8i dash control will also adjust the volume of the Aux input so your customer won't have to reach for the iPod. This is especially useful for satellite radio tuner, which usually have no volume control of their own.

Integrated Dash Panels

Car manufacturers are driven by cost and convenience, not by sound quality. The more functions they can integrate into one single panel the cheaper the cost. One example is the Ford line that has the passenger side airbag light inside the radio faceplate. Once removed, there would be no way to tell if the airbag was on or off and any retailer installing an aftermarket stereo could be liable for injuries sustained by the passengers who get into an accident.

AudioControl[®]

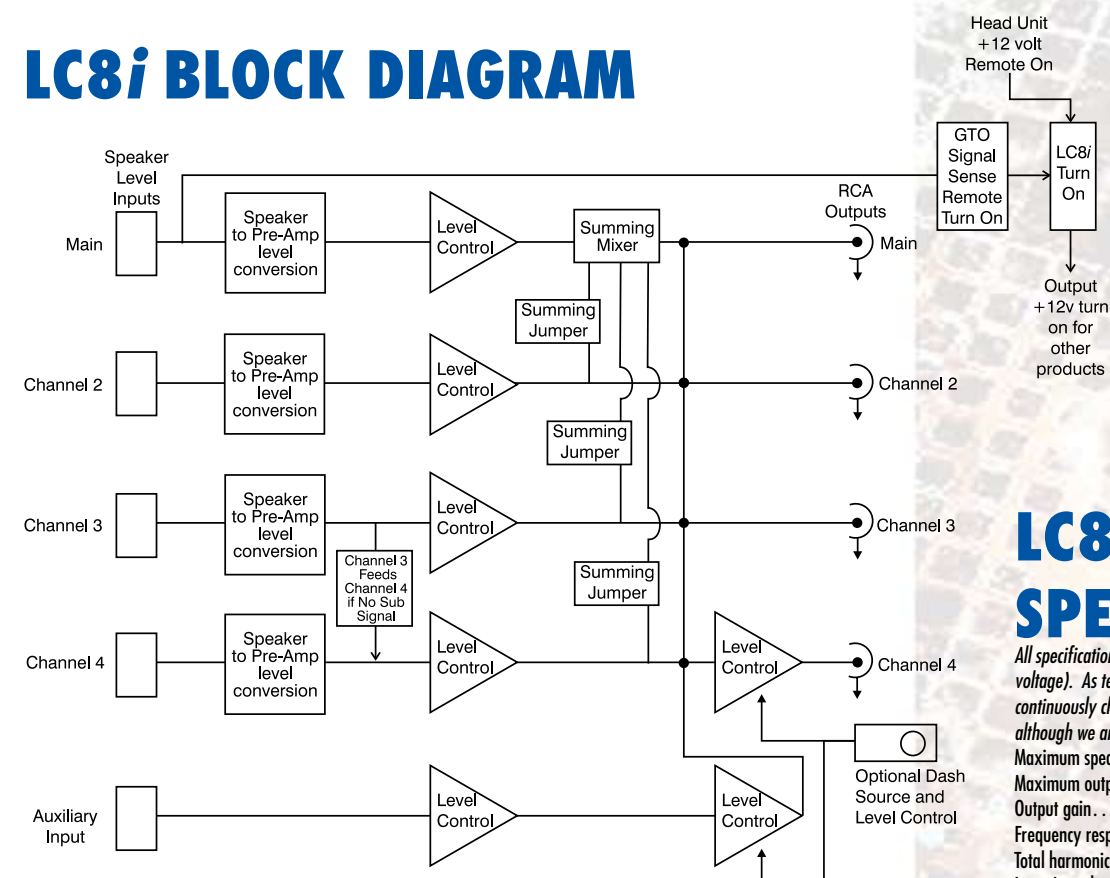
Why You Need Summing

Today, more than ever, OEM systems are actively crossing over speaker signals inside the factory amplifier. They do this because the factory speakers are not very dynamic and they need to limit the frequencies that are played through each individual speaker. When aftermarket systems are installed you need the ability to combine or "sum" multiple crossed over signals back together. The AudioControl LC8i incorporates a unique internal summing circuit that will allow you to input several different signals and get one complete, full range, high quality pre-amp signal. There is no need to have multiple adapters. The AudioControl LC8i is your one box cure for all you OEM Headaches.

Why do AudioControl Line Output Converters work so well?

The LC8i has high-impedance (20K Ohms!!) speaker-level inputs that accept signals from factory installed amplifiers. Yes, Even Bose. The AudioControl LC8i will work with most factory installed audio systems and give you high-quality, level matched, pre-amp signal via standard RCA connectors. This will allow you to add high quality aftermarket amplifiers and processors while keeping the convenience and cosmetic features of the factory installed source unit. Unlike inexpensive passive speaker level inputs and line output converters, the LC8i gives you the brilliant sound quality like AudioControl has been providing for over 30 years.

LC8i BLOCK DIAGRAM



LC8i SPECIFICATIONS

All specifications are measured at 14.4 VDC (standard automotive voltage). As technology advances, AudioControl reserves the right to continuously change our specifications, like our Pacific Northwest weather although we are working on changing that.

Maximum speaker-level input	400 watts @ 4 ohms
Maximum output level	9.5Vrms
Output gain	+/-12 dB
Frequency response	10Hz-22kHz
Total harmonic distortion	0.01%
Input Impedance	20 Kohms
Power supply	High headroom PWM switching
Power draw	200mA
Recommended fuse rating	1 Amp
Size	8.6"W x 4.75"D x 1.2" H
Weight	3.5 lbs
Remote Trigger Output Current	1 Amp Max

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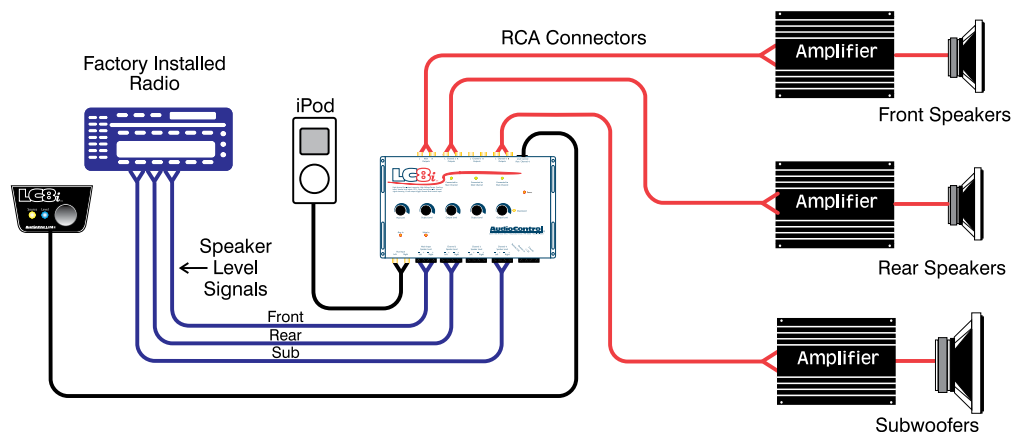
AudioControl[®]

making good sound better[®]

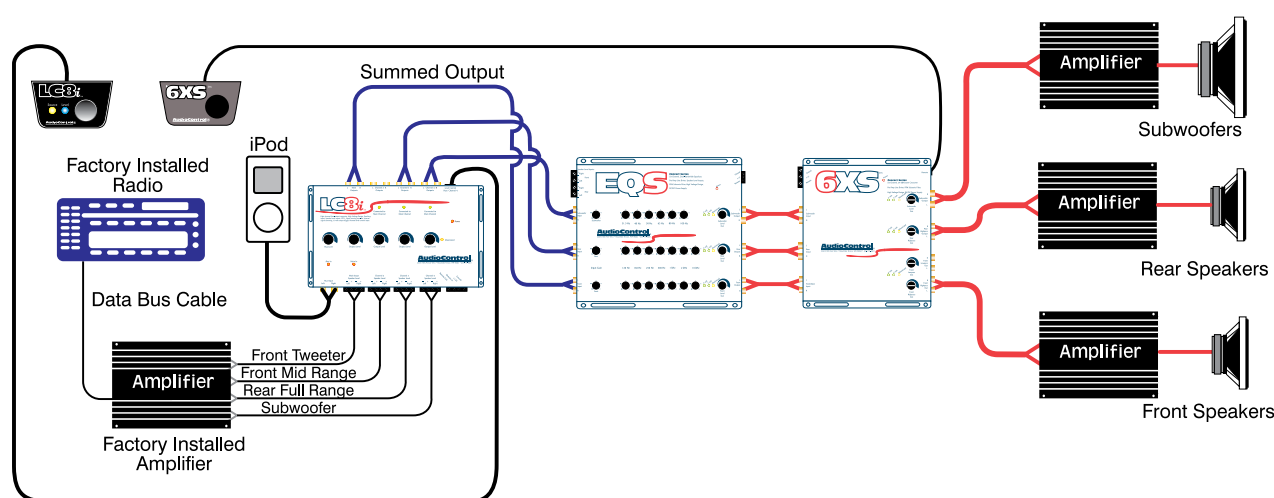
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System Diagrams

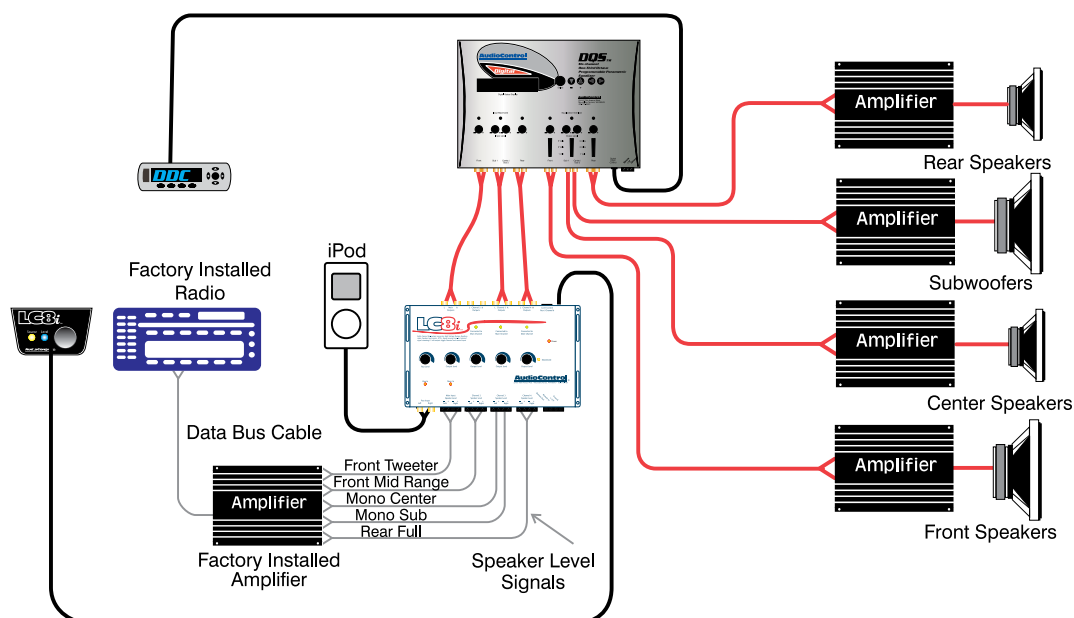
System #1 - Basic LC8i system



System #2 - LC8i system using summing functions plus active equalization and crossover



System #3 - 5.1 factory surround system



Key Features of the LC8i™ Performance Signal Processor

AutoMode Inputs™ - Some factory systems have a limited amount of output channels. The LC8i is equipped with Selectable AutoMode inputs that takes the Channel 3 signal and automatically feeds it to the Channel 4 output, if there is no signal present on the Channel 4 input.

Eight Output Channels - Eight output channels that can either run independently, or be summed together internally.

Level Matching Controls - Allows the user to adjust the outputs on the LC8i independently to help insure proper level matching throughout the entire system.

Aux Level Control - Allows the user to properly match the level of the Aux input to the level of the Main input.

Aux Input - Allows the user to plug in an iPod, Sat radio, or other input source and have volume control with included remote level control.

Speaker Level Inputs - The LC8i can handle up to 400 watts of power per channel.

12 Volt Output Trigger - Most factory radios do not supply a remote turn on wire. The LC8i gives you a remote turn on lead for triggering external amplifiers and/or processors.

Channel Summing - The LC8i has internal jumpers that allow the installer to sum selected channels into the main channels. This is especially useful for factory-installed systems with actively crossed-over speaker systems. LEDs let the user know which channels are being summed into the Main Output.

Selectable GTO Signal Sense - Once the GTO input of the LC8i detects a speaker-level signal on the Main Inputs, it powers up. When the speaker-level signal goes away, your LC8i will automatically turn off.

