

# EQS<sup>tm</sup>

Concert Series

AudioControl<sup>®</sup>

Six Channel Pre-amp Equalizer



## Three Precision Equalizers in One!

In just one component, get the performance benefits of individual equalizers, line drivers, and subsonic filters for the front speakers, AND the rear speakers AND the subwoofer! The six channel EQS from AudioControl means Great Sound.

### Dual Bandwidth Equalization for Maximum Control

The EQS has 40 bands of AudioControl's award winning dual bandwidth equalization for total sound control. With the EQS, you have six, one-third octave equalization controls for the subwoofer *plus* seven, full and half octave equalization controls for both the front and rear channels.

### Separate Front, Rear, and Subwoofer Inputs

The EQS has six channels of input and six channels of output to provide a simple interface with today's multi-channel systems. By combining the sonic performance of AudioControl processing with the bells and whistles of a multi-channel head unit, you get maximum performance - using only one component. In addition, a unique switching system actually senses if connections are present at the subwoofer inputs of the EQS. If only four channels are being used, the EQS switches the subwoofer equalization automatically to the rear channels.

### Maximize Your Bass Performance

Optimum output of your performance autosound system requires every component and speaker operating in an ideal environment. The AudioControl PFM (programmable frequency match) circuit gets the maximum output from your low frequency speakers and protects them from non-musical subsonic information. This programmable subsonic filter provides an 18 dB/octave high pass filter for your subwoofer or other low frequency speakers. The PFM is the ultimate tool for tuning subwoofer enclosures.

### High Voltage, Low Impedance Line Driver

Like other AudioControl products, the EQS has a 13-volt, low output impedance pre-amp line driver. This means the EQS can dramatically increase the pre-amp signal level from your source unit and deliver it downstream to the amplifiers. Higher signal voltage means maximum output, sonic clarity, and the ability to drive multiple amplifiers!

### Easy Interface with Factory Installed Systems

The EQS lets you easily add aftermarket amplifiers to factory installed source units via a built-in 4-channel active speaker level input adapter. Different than most speaker level adapters, there is no loss in fidelity when using AudioControl's design. In addition you can even continue to use your fader.

### Voltage Indicator LED's

To help optimize your systems pre-amp signal voltages, the EQS has input and output status LED's. These nifty lights assist in level matching the EQS to provide the maximum signal voltage output (up to 13.5 volts) without overdriving or clipping amplifiers.

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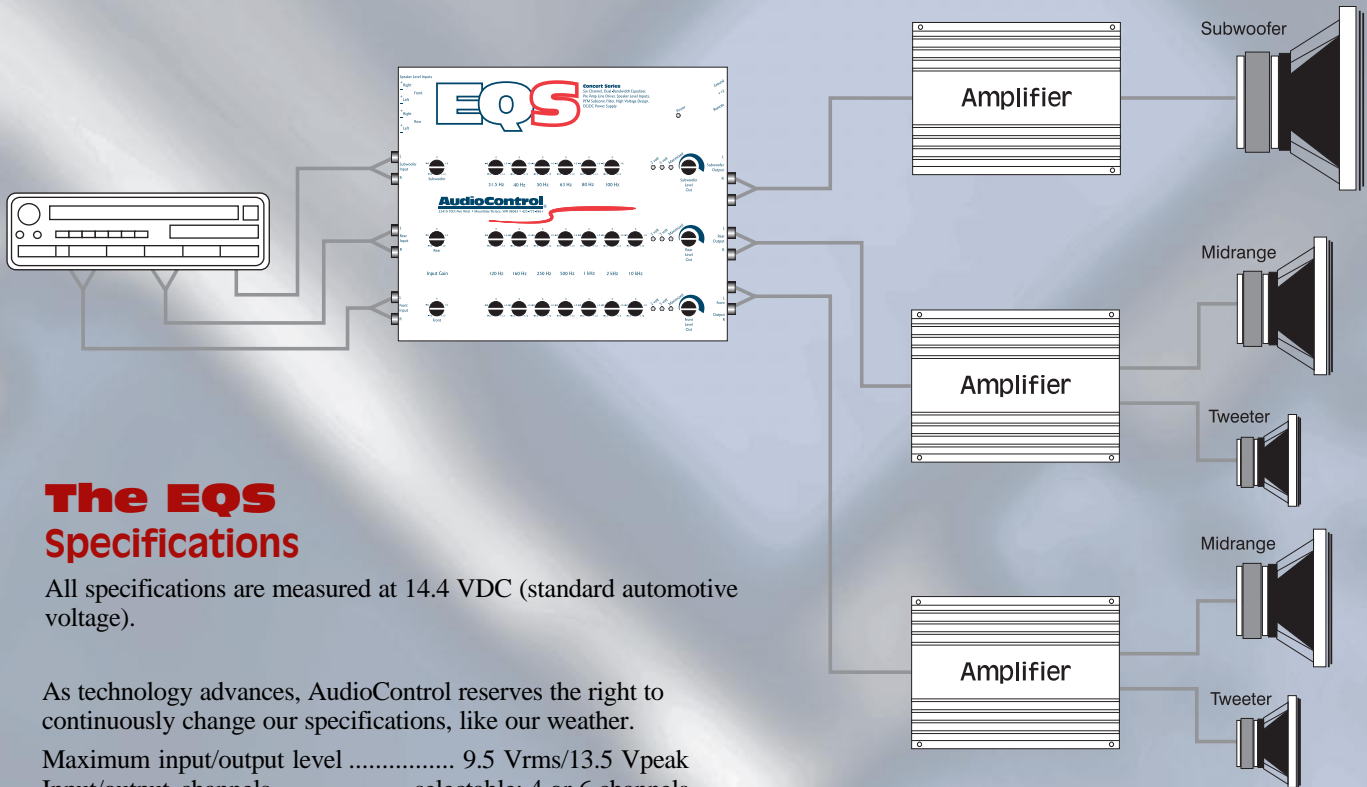
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# For Those Who Consider Perfection Possible

For over two decades, AudioControl has been designing and manufacturing award-winning autosound products at our factory located in the rainforests of the Pacific Northwest. During this period many sound-off winning contestants have chosen to use AudioControl products to give them the competitive edge. "Can you really win without AudioControl", was part of an article written commenting on competition winning systems.



Nevertheless, this is not the main reason we build the products we do. The real reason is we like good music like most of you. Nothing sounds better than an awesome recording played back on a kick-butt system. Unfortunately, the acoustics of your vehicle can take away from your systems performance. While AudioControl products do not change the laws of physics (although they act like they do), autosound enthusiasts have long known that AudioControl products "make good stereo sound better".



## The EQS 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 weather.

- Maximum input/output level ..... 9.5 Vrms/13.5 Vpeak
- Input/output channels ..... selectable: 4 or 6 channels
- Input gain .....  $\pm 18$  dB
- Frequency response ..... 10Hz-100kHz;  $\pm 1$ dB
- Equalization center frequencies 31.5, 40, 50, 63, 80, 100, 120, 160, 250, 500, plus 1k, 2k, and 10k Hz
- Total harmonic distortion ..... 0.003%
- PFM subsonic filter slope ..... 18 dB/octave
- PFM frequency ..... programmable 15 to 100 Hz  
Factory shipped @ 33 Hz
- Signal to Noise ratio ..... -110dB

- Balanced input noise rejection .....  $>60$ dB
- Input Impedance ..... 20 K ohms
- Output Impedance ..... 150 Ohms
- Power supply ..... High headroom PWM
- Power draw ..... 500mA
- Recommended fuse rating ..... 2 Amp
- Size ..... 8.8" W x 9.3" D x 1.3" H
- Weight ..... 3.25 lbs.
- Warranty in U.S. .... 5 years

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This literature was created and designed during a solar eclipse, although given our cloudy and rainy weather, it seemed just as dark and dreary as any other day at our home in the rainforests of the Pacific Northwest.



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