Digital Mobile Audio Processors

Pure Digital

AudioControl®
The Strength of Digital from AudioControl

Combine over 25 years of experience with the power of digital audio and you have one unstoppable force. Mobile audio enthusiasts demand higher performance from their systems every year.

To this, AudioControl introduces the new Digital Series: the DQXS six channel digital equalizer/crossover, the DQT stereo digital equalizer, the DQX digital three-way crossover/equalizer, the DQS six channel digital equalizer and the DXS three-way digital crossover. Systems are being scrutinized more closely than ever. As a serious car stereo enthusiast, you can no longer settle for second best in your system.

The DQXS achieves maximum performance by combining three high performance equalizers plus a six-channel crossover in one compact chassis. Six discrete inputs allow for ultimate system flexibility by allowing for input from two, four, or six input channels. A simple menu selection allows you to match up the inputs with your particular system configuration. The DQXS can even accept input from many factory-installed source units.

MAXIMUM SIGNAL PROCESSING

Digitally controlled filters in the DQXS allow a user to precisely feed specific frequencies to each of the outputs on the DQXS. Additionally, each channel of the DQXS has thirty, one-third-octave bands of equalization plus two fully adjustable parametric equalizers. That is 192 total bands of car audio equalization. All equalization and crossover settings can be stored and/or recalled from one of eight user-programmable memories. Ultimate flexibility and performance made simple.

The DQS is a digital car audio processor that combines three high performance equalizers in one compact chassis. The six inputs and outputs on the DQS make it ideal for surround sound car theater systems or when using source units with multiple outputs. Even factory-installed systems will benefit from the DQS.

UNPRECEDENTED CONTROL

Each channel of the DQS digital car audio equalizer offers thirty bands of one-third-octave eq plus two fully adjustable parametric equalizers for a total of 192 bands of equalization. All of these filters are in the digital domain for maximum performance and sound quality. Once you have made your equalizer settings, you can store them in the eight user-programmable memories. This allows you to recall all of the eq settings with a simple push of the button.
powered with the strength of a 24-bit digital signal processor especially designed for high-quality audio enhancement, the DQT leads the way in digital mobile audio acoustics control. This robust component features high voltage signal capability, 24-bit DAC signal paths, thirty band stereo one-third octave graphic equalization plus two fully-adjustable parametric equalizer bands per channel. Eight user-programmable memories allow simple recall of equalization settings.

**Precision Sound Control**
The DQT is designed around a state-of-the-art 24-bit DSP. This gives the DQT the power to create two equalizers: A thirty band Graphic Equalizer with Constant-Q filters for general acoustic contouring PLUS a Two-Band Parametric Equalizer for ultimate control over harsh peaks. This fully user-adjustable parametric equalizer means you have serious control over difficult acoustic problems. Now you’re ready to tame anything!

**Stereo Design**
- 24-bit Digital Audio Processing
- 30 Band Graphic Equalizer
- 2 Band Parametric Equalizer
- 8 User-Programmable Memories

**Digital Equalizer/Crossover with Memories**

**24 dB/Octave 3-Way Digital Crossover**
- Digital Crossover Adjustment
- Solid-State Blue Display Illumination
- Three-Way Crossover
- 24 dB/octave Linkwitz-Riley Design
- High Signal Voltage Outputs

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- 24-bit Digital Audio Processing
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**Digital Equalizer with Memories**

TDXQ includes all the power of the amazing DQT plus a three way crossover! There is full 24-bit digital signal processing for a thirty-band stereo one-third octave graphic equalizer and two fully-adjustable parametric equalizers plus a completely digital 24 dB/octave Linkwitz-Riley crossover. The eight user-programmable memories recall all the graphic and parametric equalizer settings, including the crossover points with a simple push of the button.

**Audiophile Digital Crossover**
The state-of-the-art audio optimized 24-bit DSP powers an audiophile Linkwitz-Riley three way crossover with full digital control over the selection of the 24 dB/octave frequency points. Mid/Hi and Low/Mid crossover points are changed and stored in memories easier than ever. Couple this with a 24 dB/octave Programmable Frequency Match filter for ultimate bass control and you have control over your system like never before!

**Stereo Design**
- 24-bit Digital Audio Processing
- 30 Band Graphic Equalizer
- 2 Band Parametric Equalizer
- 8 User-Programmable Memories

**Real Bass Control**
In addition to our powerful crossover, the DQS features our exclusive Programmable Frequency Match (PFM) filter system. This low-cut filter brings out the best bass performance from any system. A sharp 18 dB/octave programmable bass filter allows the system installer to easily customize the bass response to match the speaker design. This gives you the highest performance and superior sound pressure levels from advanced speaker systems.

**Stereo Design**
- 24-bit Digital Audio Processing
- 30 Band Graphic Equalizer
- 2 Band Parametric Equalizer
- 8 User-Programmable Memories
The DDC is a remote-mountable control that connects to AudioControl digital processors like the DQT, DQX, DQXS, and DQS via a 20' cable. This allows a user to control all functions of their AudioControl processor from another location either inside or outside the vehicle. If more distance is required, the DDC also comes with the DR-1 which is a remote control that controls the functions of the DDC via IR (infrared).

**SHOW US SOME COLORS**

Besides giving you the ability to remotely control all of the functions of your AudioControl digital processor, your DDC can also make a fashion statement. A user can select one of the cool looking display colors for their DDC and select a different color for the backlighting of the buttons. You can make your DDC look very hot... or kind of ugly if you are not careful.

**SPECIFICATIONS**

All specifications are measured at 14.4 VDC (standard automotive voltage)

<table>
<thead>
<tr>
<th></th>
<th>DOXS</th>
<th>DQS</th>
<th>DQX</th>
<th>DQT</th>
<th>DXS</th>
</tr>
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<tbody>
<tr>
<td>Input Channels</td>
<td>6 Ch Equalizer/Crossover</td>
<td>6 Ch Equalizer</td>
<td>2 Channel Equalizer</td>
<td>Two Channel Equalizer</td>
<td>2 Channel Equalizer</td>
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<tr>
<td>Output Channels</td>
<td>6</td>
<td>6</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Signal to Noise ratio</td>
<td>105 dB</td>
<td>105 dB</td>
<td>105 dB</td>
<td>105 dB</td>
<td>110 dB</td>
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<tr>
<td>Parametric Equalizer</td>
<td>2 bands, adjustable 25Hz–20kHz, Bandwidth 0.05–3 Octave</td>
<td>2 bands, adjustable 25Hz–20kHz, Bandwidth 0.05–3 Octave</td>
<td>2 bands, adjustable 25Hz–20kHz, Bandwidth 0.05–3 Octave</td>
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<tr>
<td>Crossover</td>
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<td>Three-way Linkwitz-Riley</td>
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<tr>
<td>Crossover slope</td>
<td>24dB/octave</td>
<td>n/a</td>
<td>24dB/octave</td>
<td>n/a</td>
<td>24 dB/octave</td>
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<tr>
<td>Crossover Frequency</td>
<td>110 1/3 octave increments</td>
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<td>110 1/3 octave increments</td>
<td>n/a</td>
<td>50 to 5 kHz</td>
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<tr>
<td>PFM filter slope</td>
<td>24dB/octave</td>
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<td>24dB/octave</td>
<td>n/a</td>
<td>18dB/octave</td>
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<td>Maximum input signal</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
</tr>
<tr>
<td>Maximum output signal</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
<td>7.5 Vrms</td>
</tr>
<tr>
<td>Output gain adjustment</td>
<td>±10 dB</td>
<td>±10 dB</td>
<td>±10 dB</td>
<td>±10 dB</td>
<td>±18 dB</td>
</tr>
<tr>
<td>Input signal attenuation</td>
<td>–∞ to 0 dB</td>
<td>–∞ to 0 dB</td>
<td>–∞ to 0 dB</td>
<td>–∞ to 0 dB</td>
<td>–∞ to 0 dB</td>
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<tr>
<td>Power supply</td>
<td>Selectable isolation PWM DC/DC converter</td>
<td>Selectable isolation PWM DC/DC converter</td>
<td>Selectable isolation PWM DC/DC converter</td>
<td>Selectable isolation PWM DC/DC converter</td>
<td>Selectable isolation PWM DC/DC converter</td>
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<td>600 mA</td>
<td>600 mA</td>
<td>500 mA</td>
<td>500 mA</td>
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<tr>
<td>Recommended fuse rating</td>
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<td>2 Amps</td>
<td>2 Amps</td>
<td>2 Amps</td>
<td>2 Amps</td>
</tr>
<tr>
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<td>12.5&quot; x 9.9&quot; x 7.7&quot;</td>
<td>12.5&quot; x 9.9&quot; x 7.7&quot;</td>
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