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# Accurate Sound Reproduction Using Dsp By Mitch Barnett

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#### **861 Reference Digital Surround Controller - Meridian Audio**

The 861 Reference Digital Surround Controller Digital signal processing, or DSP, is a technique pioneered by Meridian in hi-fi products for achieving extremely accurate reproduction of audio signals Unlike conventional analogue systems - which process signals using electronic circuits based on resistors, capacitors, and inductors - DSP works

**DSP-A595 - Yamaha Corporation**

cally expand and change the shape of the audio sound field from both audio and video sources, creating a theater-like experience in your listening room This unit has a total of 8 digital sound field processor (DSP) modes You can create an excellent audio sound field by selecting a suitable sound field

**Low-Power Real-Time Programmable DSP Development ...**

4 Low-Power Real-Time Programmable DSP Development Platform for Digital Hearing Aids 21 Frequency Shaping The frequency shaping algorithm essentially implements a binaural equalizer using two banks of bandpass filters, one for each ear This provides for frequency shaping from DC to 16KHz to compensate for a patient's hearing loss

**Meridian 861 Reference Digital Surround**

Digital signal processing, or DSP, is a technique pioneered by Meridian in hi-fi products for achieving extremely accurate reproduction of audio signals Unlike conventional analogue systems - which process signals using electronic circuits based on resistors, capacitors, and inductors - DSP works

**Fully digital signal processing Voicing Equalizer 40bit ...**

Separate sound field compensation (Voicing) and sound field creation (Equalizer) functions implemented using powerful DSP devices and advanced signal processing technology Large, wide-format color display panel allows use of a stylus pen to directly draw or modify a curve Connection to analog components possible using option boards

**DSP-A592 DSP-A492 - Yamaha Corporation**

DSP-A592 DSP-A492 FEATURES CONTENTS 3 English 5 Speaker Configuration DSP-A592 sound reproduction technology lets you get extremely close to the sound of a live performance, but chances are you'll still more accurate compared with conventional analog signal processing systems In addition, this unit features a built-in automatic

**Digital Home Theater Receiver RX-Z9 - Home - Yamaha**

accurate sound field reproduction for high quality multi-channel reproduction such as Dolby Digital and DTS The RX-Z9 not only delivers the highest level of sound quality with a dimmed display 2-Channel Stereo processes the multichannel signal and outputs it via 2-channels, for those with a two-speaker system And the iLink connection is for

**DSP Applications Using C And The TMS320C6x DSK PDF**

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**Sound Reproduction By Wave Field Synthesis**

Sound Reproduction By Wave Field Synthesis Group 861 - Spring 2004 Faculty of Engineering and Science E DSP for Driving Signals generation 107 The sound reproduction method using the stereophonic principle is based on the binaural principle This enables to ...

**KH 750 DSP - fullcompass.com**

KH 750 DSP For information about using the KH 750 DSP in a network please refer to the very helpful Neumann Control software Some of the advantages of exploring Neumann Control are: • More extensive acoustical controls for more accurate audio reproduction • System-wide control

such as volume control, soloing and muting

#### **Digital Home Theater Receiver RX-V640 - Abt Electronics**

perform accurate sound field reproduction for high quality multi-channel sources, and for two-channel stereo, provide outstanding separation and precise musical delineation They deliver superior low level linearity with excellent full-scale performance under varying operation conditions 4-Layer DSP Processing Board All of the DSP IC chips and

#### **KH DSP - Full Compass Systems**

physical locations The KH 80 DSP represents the latest in acoustic and electronic simulation and measurement technologies to ensure the most accurate sound reproduction possible Depending on the size, Neumann's two-way loudspeaker systems are designed for use as near field monitors or as rear loudspeakers in larger multi-channel systems

#### **miniDSP DDRC-88D User Manual**

factor for accurate sound-staging, clarity and bass reproduction Dirac Live® employs a sophisticated analysis algorithm to make the optimal correction across the whole listening area, not just at a single point Dirac Live® accomplishes this using mixed-phase filters ...

#### **DSP-A595a - Yamaha Corporation**

channel reproduces sound within a narrow frequency range Most video tapes and laser discs include Dolby Surround encoding, as do many TV and cable broadcasts The Dolby Pro Logic decoder built into this unit employs a digital signal processing system that stabilizes each channel for even more accurate sound positioning than is available with

#### **Digital Home Theater Receiver RX-V2400**

rich sound effects High Dynamic Power Capability The RX-V2400 is capable of delivering large amounts of reserve power for accurate reproduction of the high energy peaks that are especially prevalent in digital audio sources This emphasizes the music's dynamic qualities and provides a sharper sound image Linear Damping Level variations due