



Key Features

- Dolby Digital 5.1 , Dolby Pro Logic, DTS , 6.1 and 7.1 Surround decoding
- Over 23 processing modes including enhanced music , bypass modes and advanced bass management
- Remote control and asynchronous serial I/O option
- Automatic audio input detection selects processing modes
- Software upgradeable (microcontroller and DSP)
- 96KHz / 24 bit audio
- 5 audio inputs (1 optical , 2 coaxial , 2 stereo analog)

Processing Modes

Dolby Modes

- Dolby Digital
- Dolby D Pro Logic
- Dolby D 3 Stereo
- Dolby D Phantom
- Dolby D Stereo
- Dolby Pro Logic
- Dolby 3 Stereo
- Dolby Phantom C

Music Modes

- Stereo Analog
- Stereo
- Analog Blast
- Rock Club
- Jazz Club
- Concert Hall
- Stadium
- Sports Arena
- Jazz Concert
- Grand Concert

Game Modes

- PCM Gamer
- Digital Gamer
- 3-D Gamer
- Analog Gamer

Other Modes

- Mpeg
- DTS
- 6.1 / 7.1 Surround

High Performance

The MaxdBS1 is a high performance digital and analog audio processor. Incorporating the latest in advanced technology it rivals professional grade processors in performance and features.

Quality and Reliability

Careful attention to design, high quality components, and our renowned quality production standards yield excellent value and reliability.

User Friendly

Nearly all controls are automatically set by the processor based upon the audio input. Simply connect the audio input , speakers and AC , and your MaxdBS1 is ready to play.

MaxdBS1 Specifications

Technical Specifications

Preamplifier/Processor

Audio Sampling Rates: 32, 44.1, 48 , 96 k samples/second
Frequency Response: 20Hz - 20kHz +/-0.1dB
THD+N: Less than 0.003% , 20Hz - 20kHz
Signal to Noise Ratio : -100dB
Noise Floor : -125dB
Dynamic Range: 100dB
Output Level Adjustment: -127dB to 0dB in 0.5dB or 2dB steps
Crosstalk: -100dB @ 1kHz

Input Formats:

Dolby Digital (AC-3) in IEC 1937 format (formerly IEC 958 Annex B) as specified in ATSC A/52 Annex B
PCM in AES/EBU format.
MPEG1 and MPEG2

Analog Inputs

Un-balanced stereo RCA , 24 bit ADC , 2Vrms full scale
Un-balanced stereo Mini-Jack , 24 bit ADC, 2Vrms full scale

Analog Audio Outputs

8 RCA , Un-balanced, 0dB=2Vrms full scale
8 pin DIN , Un-balanced, 0dB=2Vrms full scale
24 bit DACs

Crossover Points:

Satellites: 200Hz
Subwoofer: 200Hz

Technical Specifications

Power Requirements

Processor: +/-12VDC,+ 5VDC, 20W maximum , 6 pin DIN

Operating Conditions

5-45 degrees Celsius , natural convection cooling
0-90% relative humidity (non-condensing



ISO9002

