



### 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

