

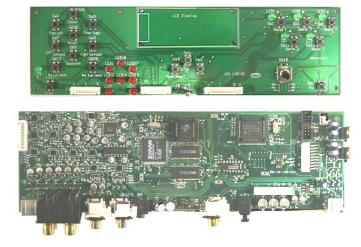
## **Preliminary Product Definition**

MaxdBS1

## Subassembly

**OEM Series** 

Dolby Digital 5.1 Surround Sound Processor System



## **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)

Music Modes

Stereo Analog

Analog Blast

Concert Hall

Sports Arena

Jazz Concert

**Other Modes** 

6.1 / 7.1 Surround

Mpeg

DTS

Grand Concert

Rock Club

Jazz Club

Stadium

Stereo

- 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

## Game Modes

PCM Gamer Digital Gamer 3-D Gamer Analog Gamer

## 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