



The Sat 6D features both XLR Analog inputs and AES/ EBU Digital inputs. The DSP crossover filters are derived using Blue Sky proprietary BOO optimization software. The Digital circuitry features FR4 6-layer circuit boards, Burr-Brown 192kHz/24 Bit A/D & 192 kHz/24 D/A, and Cirrus Logic Digital receiver and sample rate convertor. In addition, the Sat 6D has a "Pure-Digital" mode for 48 kHz and 96 kHz operation, where the native input from the AES/EBU receiver is sent straight to the DAC.

The Sat 6D has a USB data port for speakers settings, updates and room correction input which includes a 1/3 octave 31 band digital graphic equalizer, and selectable parametric EQ. USA designed and built 6 1/2" cast frame woofer with radial neo motor and a 1" Scan-Speak ring radiator tweeter made in Denmark. The electronics are designed and assembled in the USA.

### ELECTRONICS

- Analog input (balanced XLR) -10 dBu / +4 dBu switchable
- Digital input (XLR - AES 110 Ohm)
- Cirrus Logic sample rate convertor (32 kHz, 44.1kHz, 88.2kHz, 192 kHz)
- National Semiconductor LME op amps
- Analog / Digital Auto switching
- Digital pass thru
- Digital Stereo L/R selector
- Adjustable gain control and time delay
- Pink Noise Generator
- Driver (woofer/tweeter) time alignment
- Switchable DSP filters for 80hz or extended range 40hz operation
- Switchable DSP filters and removable plates for sealed or ported operation
- USB data port for speaker settings, updates, and room correction input
- 300-watt woofer / 150-watt tweeter / 600-watt SMPS power supply
- Hypex UcD power amplifiers with trickle down N-core technology

### TRANSDUCERS

- 6 1/2" high excursion radial magnet woofer. Custom made for Blue Sky
- 1" ring radiator tweeter. Custom made for Blue Sky by Scan Speak.

### PHYSICAL

- MDF construction with full bracing
- 13" x 8" x 11 3/4" (H x W x D w/ heat-sink)
- 20 pounds

### SYSTEM PERFORMANCE

- +/- 1.5 dB 45 Hz to 20,000 Hz (full range input)
- +/- 1.5 dB 80 Hz to 20,000 Hz (bass managed input)
- system designed and assembled in the USA

