

Powerful Control for all Sources

24/96 USB Input • Analog input • Headphone Output

The DAC2.5 converts your digital media into music for the most direct connection to your amplifier. The DAC2.5 provides full system control and is loaded with features including an analog input. This allows you to experience your music through the convenience of a single component, eliminating the need for a preamplifier.



The DAC2.5 Brings Your Music to Life

The Bel Canto Dual-Differential DAC2.5 Control Center features an outstanding 122dB dynamic range and our proprietary low noise digital to analog convertor core. Including five 24/192 digital inputs, 24/96 USB input and a 24/192 ADC analog input, the DAC2.5 integrates and controls all of your audio sources including an analog input for a phono preamp or Home Theater Bypass. The front panel features a single multifunction control knob that selects inputs and controls volume level for both the main outs and 1/4" front-panel headphone jack. The headphone jack is driven by a dedicated DAC/Amplifier circuit that optimizes its output and eliminates any compromises in the main signal path. The DAC2.5 also includes our new 8 character alpha-numeric display and the ability to control balance, absolute phase and to rename and disable unused inputs.

The foundation of the DAC2.5 is our jitter-eliminating Master Reference Ultra-Clock circuitry that insures that jitter from any source is reduced below the audible threshold. The 24-bit digital volume control is completely transparent and accurate throughout the volume range. This precision continues with custom 0.1% audio grade resistors, class-A output circuitry and low noise power supply components. The heavy-gauge all-steel chassis design prevents mechanical resonance from compromising the audio signal quality.

The advanced internal LNS (Low Noise Supply) prevents power line noise from corrupting the signal using technology developed in the VBS1 external power supply. The DAC2.5 connects directly to the mains AC with a standard IEC connection.

Green, low-heat, efficient isolated power supplies and a finely-tuned analog output stage make possible Bel Canto's eco-friendly compact designs; Bel Canto music products are fine instruments that are musically satisfying, discrete and sleek to fit any room.



Digital Section:

Maximum Input Data Rate:

24bit Data at 192Ks/s:

24bit Data at 96Ks/s:

Master Clock jitter:

AES XLR, 2-SPDIF RCA, Toslink

USB

2picosecond RMS

Analog 24/192 DAC Section:

Maximum Output:

Output Impedance:

Frequency Response:

THD+N:

Output Noise:

Dynamic Range:

4Vrms balanced XLR, 2Vrms RCA

200 ohms balanced XLR, 100 ohms RCA

20 Hz-20KHz, +/- 0.5dB

<0.0015%, 4Vrms balanced out, 1KHz

3.3uVrms, A-weighted 20Hz-20KHz

122dB, A-weighted 20Hz-20KHz

Analog 24/192 ADC Section:

Maximum Input:

Input Impedance:

THD+N:

Dynamic Range:

2.5Vrms RCA

12K ohms RCA

0.003%, 2.5Vrms in, 1KHz

110dB, A-weighted 20Hz-20KHz

Headphone Section:

Maximum Output:

THD+N:

Output Noise:

138mW

0.01% 35mW, 1KHz

17uVrms, A-weighted 20Hz-20KHz

General:

Power Usage On:

Power Usage Off:

Power Requirement:

Dimensions:

Weight:

7W

0.0W

100-120VAC, 220-240VAC 50/60 Hz

8.5" W x 12.5" D x 3.5" H (216 mm x 318 mm x 88 mm)

14lbs. (6.5 kg)

Features and specifications are subject to improvements and changes without prior notice

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