

Reference Grade Audio Control

Digital • Analog • ST Glass Fiber input

The DAC3.5VB converts your digital media into music providing maximum system performance and control with the most direct connection to your amplifier. The DAC3.5VB delivers the highest dynamic range and lowest output noise from both analog and digital sources revealing the subtle detail in your music.



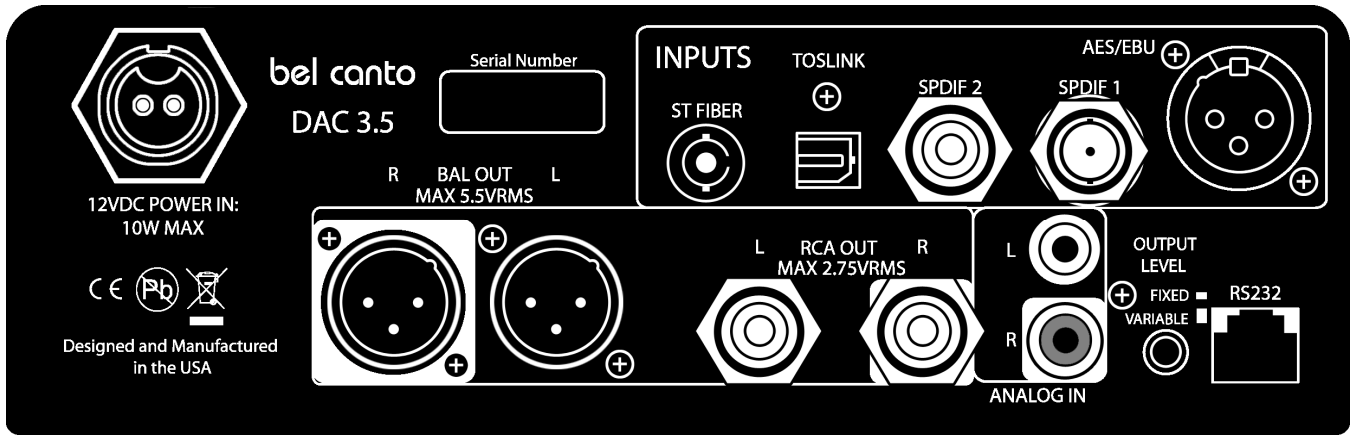
The DAC3.5 Brings Your Music to Life

The Bel Canto Dual-Differential DAC3.5VB Control Center features a class leading 126dB dynamic range with our proprietary low noise digital to analog convertor core. Including five 24/192 digital inputs, high speed ST fiber and a 24/192 ADC analog input, the DAC3.5VB 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. The DAC3.5VB 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 DAC3.5VB is our jitter-eliminating Master Reference Ultra-Clock circuitry that ensures 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 Caddock 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 internal VB supply is designed to be driven from either our LNS1 or VBS1 virtual battery supply and includes a massive 400,000uF of filter capacitance and a sophisticated ultra low noise isolated switching supply for the analog section. All of this technology prevents power line noise from corrupting the delicate audio signals.

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 enough to fit any room.



Digital Section:

24bit Data at 192Ks/s:
Master Clock jitter:

AES XLR, SPDIF BNC/RCA, ST Fiber Toslink
2picosecond RMS

Analog 24/192 DAC Section:

Maximum Output:
Output Impedance:
Frequency Response:
THD+N:
Output Noise:
Dynamic Range:

5.5 Vrms balanced XLR, 2.5 Vrms RCA
200 ohms balanced XLR, 100 ohms RCA
20 Hz-20 KHz, +/- 0.25dB
<0.0015%, 5.5Vrms balanced out, 1KHz
3uVrms A-weighted 20Hz-20KHz
126dB A-weighted 20Hz-20KHz

Analog 24/192 ADC Section:

Maximum Input:
Input Impedance:
THD+N:
Dynamic Range:

2.5 Vrms RCA
12K ohms RCA
0.003%, 2.5Vrms in, 1KHz
110dB, A-weighted 20Hz-20KHz

General:

Power Usage On:
Power Usage Off:
Power Requirement:
Dimensions:
Weight:

8W
0.0W
12VDC
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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