bel canto

Extraordinary clarity
from eVolutionary vision

Established in 1990, Bel Canto continues to grow at the forefront of high fidelity through the design and manufacture of critically acclaimed audio components.

John Stronczer, founder and President of Bel Canto, is the soul and driving force behind this focused pursuit of audio excellence.

Stronczer established his reputation at a young age as an innovator, creating cutting-edge GaAs IC devices for Honeywell. Stronczer's inventiveness has led to many firsts outside his passion for hi-fi. His unique expertise in both analog and digital domains led him to form Ten Mountains, an engineering think-tank that was later acquired by Applied Micro Circuits Corporation. Here he created the 10-GHz optical network receiver amplifier that became the industry standard device worldwide.

A true audiophile, Stronczer was not completely satisfied transitioning to digital musical reproduction. He created new products to improve listening for all of us. Bel Canto premiered with an industry-first product, a jitter reduction FIFO DAC, followed quickly by the first market available high-power SET amplifier, affectionately referred to as the "845 physics experiment" a Stereophile "A" rated amplifier and winner of the prestigious Diapason D'or Award.

In 1998, Stronczer discovered a new amplifier technology that after three years of careful research and development changed the direction of Bel Canto and high-end audio forever. The critically acclaimed eVo™ digital technology had arrived!

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Multi-Channel Sound with a 2-Channel Soul

Bel Canto is leading the way into the future of audio technology. With innovation and vision, Bel Canto has introduced a complete new line of audiophile system components which includes: the PRe6, fully programmable 2 to 8-channel control preamplifier; the awarding winning eVo2, eVo4, and eVo6 amplifiers, the new power references; the DAC2, a premier 24/192 upsampling converter; as well as the eVo2i integrated 2-channel amplifier and PHONO1 phono stage.

Bel Canto's new high fidelity digital and analog component systems are designed for power and flexibility, ensuring your enjoyment of the latest formats from multiple sources in one system. Experience LP, CD, DVD, DVD-A, and SACD in both multi-channel and 2-channel play back the way they were meant to be heard.

Multi-Channel Sound with a 2-channel Soul

The Bel Canto PRe6 multi-channel analog control pre-amplifier bridges the gap between fidelity and theatre systems with flexibility, convenience and transparency. The soul of the PRe6 is a classic stereo high fidelity pre-amplifier, the heart is a flexible, forward thinking platform capable of integrating the latest multi-channel formats.

PRe6
Pre-amp

Unique in design, the PRe6 can optimize your system configuration utilizing the existing processing present in select DVD, DVD-Audio and SACD source components, without adding additional Digital Signal Processing. With 12 pairs of inputs the PRe6 can provide 8 configurable analog outputs with level control in up to 4 zones with the additional ability to easily control bi or tri-amplified loud speakers. The PRe6 preserves true stereo fidelity in a multi-channel world.

Integration, the Most Efficient Path

The eVo2i provides a transparent and musically faithful path to the original performance. Expanding on the efficiency of eVo technology the eVo2i defines a new standard within integrated amplification.

With greater than 90% efficiency, eVo technology produces minimal heat, eliminating thermal degradation of the pre-amplifier components due to high temperature exposure. An optimized signal path architecture provides benefits inherent to an integrated. The advantage of this precisely controlled environment is in the preservation and transfer of the small signal information that brings music to life.

The eVo2i is the perfect definition of simplicity and performance for the audio enthusiast who demands unparalleled performance without the complexity of component matching and cabling.

eVo™ Amplificatior

The Bel Canto eVo™ technology represents the paramount of modern amplification. The eVo's natural, open and extended sound quality reinforces the fact that this advent of emerging digital technology transcends older amplifier technologies in both efficiency and sonic quality.

The eVo emerged in the new Millennium after more than 2 years of meticulous R&D, becoming the exemplary successor to the award winning Bel Canto SET designs, receiving overwhelming critical acclaim from experts in the industry.

With a robust power supply and an output stage efficiency greater than 90%, the eVo digital amplifier handles dynamics with high linearity. This technology eliminates large signal analog errors and crossover distortion mechanisms that have fundamentally restricted traditional linear power amplifiers.

Sonic superiority, the ability to drive complex loads and outstanding energy efficiency place eVo technology at the pinnacle of audio amplifiers.

The Bel Canto eVo2 improves upon the award winning eVo 200.2 with a new look that reflects its smooth, musically transparent nature and superior craftsmanship. With increased power reserves and improved supply regulation it easily produces its rated 2x120 and up to an incredible 1x700 Watts into 4 ohms. The eVo2 marks an extraordinary step forward in amplification technology with its combination of efficiency, power and sonic quality.

The eVo4 is designed for high-power balanced output, fully capable of driving systems to extreme levels with its 2 eVo modules. The eVo4 can be configured for vertical and horizontal bi-amping, multi-channel, or as a high-powered, balanced differential stereo amplifier. The eVo4 is an amplification design whose time has truly come in the age of expanding speaker and processing options.

The eVo6 is the first of its kind with three eVo modules and 6-channels of state-of-the-art eVo amplification. The eVo6 allows you to optimize your system by configuring the outputs to drive 3 to 6-channels. Unique within eVo technology is the option to pair a stereo channel into a single, high-power balanced output, optimizing performance and providing the highest level of system flexibility. Teamed with the eVo4 and the eVo2, the eVo6 can become part of the ultimate multi channel, multi-zone system.

At Bel Canto we believe that all aspects of the signal origination, transmission and transduction are critical to a system's synergy and faithfulness. The Bel Canto DAC2 and PHONO1 epitomize this philosophy with an acceptance and exemplary status among music enthusiasts.

Revealing musical truths through the use of advanced technology, the Bel Canto DAC2 and PHONO1 are essential components for the definitive system.

PHONO1

The Bel Canto PHONO1 is essential for high quality analog reproduction. Engineered with a well regulated supply, that provides ultra-quiet power to high precision devices, preserving the entire signal. Multiple gain settings for the MM and MC cartridges, achieve remarkable technical performance with stunning musicality.

DAC2

The DAC2 continues the Bel Canto mission to improve the digital to analog relationship. This true 24 bit/192 kHz up-sampling system is further improved with the Bel Canto enhanced Zero-Jitter, SPDIF interface, utilizing analog and digital PLL architecture, protecting even the smallest musical nuance.

Specifications

PRE6 Pre-amplifier	
Bandwidth Into> 600 Ohms:	0 Hz – 200KHz
S/N ratio re 1 Volt Out:	>100dB A weighted, 20 – 20KHz
Distortion at 1 Volt rms Out:	<0.01%
Input overload:	10 Volts rms
Output Impedance:	10 Ohms
Input Impedance:	20K Ohms
Maximum Output Level:	10 Volts rms Balanced
Gain Single-ended/Balanced:	16dB/22dB
Idle Power Draw	10 Watts
Dimensions - inches WxDxH:	17.5in (W) x 14.5in (D) x 4.5in (H)
Dimensions - mm WxDxH	44.5cm (W) x 37cm (D) x 11.5cm (H)
Weight:	24lbs (11Kg)

eVo SERIES	eVo2i	eVo2		eVo4		eVo6	
Output power	Stereo	2 Ch.	1 Ch.	4 Ch.	2 Ch.	6 Ch.	3 Ch.
@ 8 Ohms	120 W	120 W	360 W	120 W	360 W	120 W	360 W
@ 4 Ohms	200 W	240 W	700 W	240 W	600 W	240 W	600 W
Gain	16dB Preamp. section, 23dB Amp. section	23dB	29dB	23dB	29dB	23dB	29dB
Bandwidth	1Hz–80KHz -3dB	1Hz - 80KHz –3dB		1Hz - 80KHz –3dB		1Hz - 80KHz –3dB	
THD and Noise	< 1% THD at rated power	< 1% THD at rated power		< 1% THD at rated power		< 1% THD at rated power	
Damping Factor	>100, below 100Hz	>100, below 100Hz		>100, below 100Hz		>100, below 100Hz	
Input Impedance	10k Ω	100k Ω	50k Ω	100k Ω	50k Ω	100k Ω	50k Ω
Inputs	1 pr. balanced XLR & 4 pr. RCA's	XLR & RCA		XLR & RCA		XLR & RCA	
Volume Control	100 dB 0.5 dB steps	N/A		N/A		N/A	
Volume Control Resolution	0.5dB +/- 0.5 dB over entire range	N/A		N/A		N/A	
Outputs	1Pair 5-Way Binding post/channel, 1 tape out, 1 Line Out	N/A		N/A		N/A	
Idle Power Draw	29 Watts	25 Watts		42 Watts		65 Watts	
Dimensions - inches WxDxH	17.5in x 14.5in x 4.5in	17.5in x 14.5in x 4.5in		17.5in x 18.5in x 4.5in		17.5in x 18.5in x 4.5in	
Dimensions - mm WxDxH	44.5cm x 37cm x 11.5cm	44.5cm x 37cm x 11.5cm		44.5cm x 47cm x 11.5cm		44.5cm x 47cm x 11.5cm	
Weight	36lbs (16Kg)	36lbs (14.5Kg)		40lbs (18Kg)		42lbs (19Kg)	

DAC2	
Digital inputs:	RCA type Coax and Toslink
Analog outputs:	Single ended RCA
Output Level:	2Vrms
Dynamic Range:	117dB
Input Sample Rate:	192kHz
Distortion:	< .0025%
Power Requirements	115/230 VAC; 50-60 Hz 10 watts
Dimensions	3.5 by 3.5 by 9.50
Weight:	3.5 lbs.

Phono1	
RIAA accuracy Into >20K Ohms	20 Hz-20 kHz +/- 0.25 dB
Signal to Noise Ratio	> 75 dB A weighted MM/MC
Distortion at 3 Volts RMS out	<0.01%
Input configuration and impedance	Adjustable /MC, 47 Kohms/MM
Output Options	1 Pair RCA
Output Impedance	50 ohms
Maximum Output Level	9Vrms
1 kHz Gain	40, 54 or 60 dB
Power Requirements	115/230 VAC; 50-60 Hz 10 watts
Dimensions	3.6 x3.6 x 9 inches
Weight	3.5 lbs

Because we are driven to design the best possible components, Bel Canto Design reserves the right to change or modify product specifications without notice or obligation.

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