

Get Closer.™

bel canto

## The Pursuit

The quest to get closer, to capture the intimacy of a recorded moment in all its clarity and purity has driven Bel Canto Design from the start. What followed has been a 20-year history of innovation in technology and design.

Until founder John Stroncz developed the first Bel Canto 845 Single-Ended Triode (SET) amplifier, there had been no other amplifier like it. Considered a benchmark for high power SET amplifiers, the award-winning Bel Canto SET designs would see continued enhancements in years to come. The SET series would also serve as a performance measure for future designs in digital amplification.



The Bel Canto Aida DAC, another industry first, delivered a new standard in jitter-reduction technology and groundbreaking digital audio performance far exceeding expectations of the time. Further DAC technology developments followed with the DAC1, the first critically acclaimed and cost-effective up-sampling D/A converter.



Then came a convergence of ideas and Bel Canto innovation – and a defining moment in digital amplification.

The introduction of Bel Canto eVo amplifiers marked an early demonstration of high performance, high efficiency, switching power amplifier architectures. It was an idea whose time had truly come. The eVo line continued to grow with numerous product awards including Stereophile Magazine's coveted "Editor's Choice" Award and the industries "Most Wanted Component" Award.



Inspired by acceptance from reviewers and enthusiasts alike, Bel Canto built its reputation by combining the finest components, craftsmanship and engineering to create truly remarkable high fidelity audio and video components. That ideal continues today.

Now, using the latest analog switching amplifier technology, coupled with years of Bel Canto tube and digital innovation, e.One™ marks the next step in digital amplification and performance audio. e.One™ amplifiers deliver extraordinary power with astonishing transparency – sculpted from an elegantly compact, forward-thinking footprint.

The new companion Dac3 – already a CES Innovations award-winner – makes a significant leap ahead combining a DAC, Master Clock and Preamplifier functions all in one fine-tuned package. Now true reference-level digital audio performance is available to an even larger audience of audio enthusiasts.

From computer-based personal audio systems to full multi-channel home theater installations, each e.One component is designed for ease of use and optimal configuration on any scale.

The e.One line builds on our uncompromising pursuit to bring listeners closer to the moment. The instant when you can hear every breath, nuance and presence within a performance as it was truly intended. Listen for yourself.

Get Closer.™





The S300i with USB DAC is the core of a high-performance computer sourced audio system for home or office.

**e.One™ Series Dac3 with Ultra-Clock™  
Digital Level Control, 24/192 DAC  
Balanced I/O, 5-digital Inputs w/USB**

Rediscover your digital music collection sourced from CD/DVD or USB from your computer system. The e.One™ Dac3 fulfills the original promise of digital reproduction with remarkable results from a unique combination of superior design, technology and the superb stability of our new Ultra-Clock.™ The Dac3 offers a unique configuration of DAC, Master Clock and Preamplifier performance in one compact package.

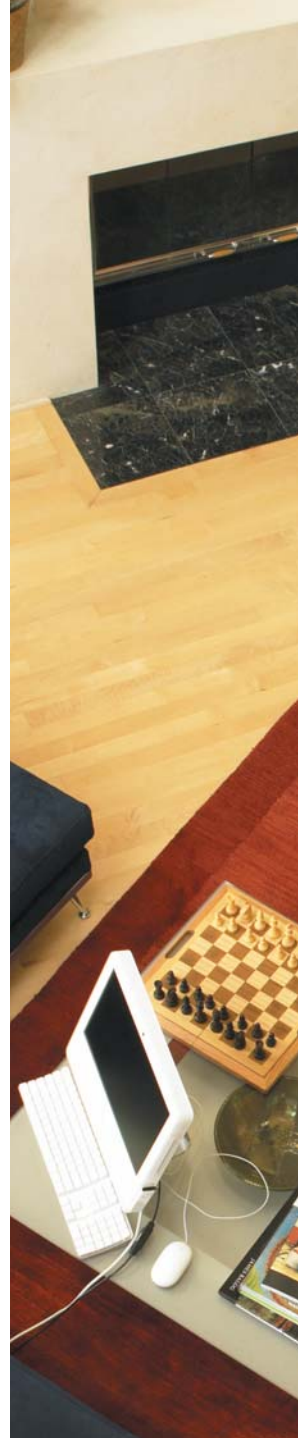


The musicality of the Dac3 is founded on Ultra-Clock jitter performance that's measurably fifty times better than other clocks. The Ultra-Clock enables the Dac3 to reproduce music with unsurpassed realistic dynamic expression and accuracy of timbre. Now you can experience the nuance of artistic performance as never before.

While the Dac3 takes a significant leap forward in technology, it also recalls the best of analog music reproduction, without the limitations of either previous analog or digital technologies. Truly an invaluable addition to any system.



Processors





*"The Dac3 is designed with the future in mind, and the S300 can drive about any speaker you'd likely have on hand with bravado and aplomb; they clearly make beautiful music together. These fraternal Minnesota twins have hit one out of the park for sure."*

*Mike Quinn, Jazz Times*



*"The REF1000's...easily handle all the basic requirements of a high-end power amplifier. They are smooth and refined. They are transparent to the source in a way that makes them appropriate as listening devices as well as reviewers' tools. They also deliver lots of current and they exude the kind of bold muscularity that you'd expect from amplifiers equipped to deliver 1000 watts into 4 ohms. Additionally, they deliver the tonal saturation you just may have to experience to appreciate."*

*John Potis, 6 Moons*



## e.One Series Power Amplifiers

Unprecedented sonic purity and fidelity. e.One Series amplifiers are the new look and sound of performance audio. Designed for ease of use and optimal configuration on any scale, e.One amplifiers provide a formidable engine for any digital audio system. Extraordinary power and transparency from the latest analog switching amplifier technology consistently drives the best performance from any loudspeaker.

### e.One REF1000 Mono Audio Power Amplifier

Remarkable at any volume. The REF1000 delivers like no other amplifier with over 1000 watts of low-distortion, wide-band power, a fully regulated switching power supply, true balanced operation, 2-Ohm drive and 120 dB of dynamic range capability. With REF1000's, your system will sound as though it were connected directly to the digital source. The expected relationship between loudspeaker and amplifier effectively disappear into a large and compelling sonic portrait. Fidelity and signal clarity from the lowest frequencies to the sweetest highs are unmatched.



### e.One S300 Dual Mono Audio Power Amplifier

Ideally suited for smaller systems, higher efficiency loudspeakers and multi-channel installations, the S300 delivers groundbreaking 300-Watt performance in a compact, dual mono chassis design. Each S300 amplifier channel has its own fully regulated switching power supply, true balanced operation, 4-ohm drive capability and 111 dB of dynamic range. Combined with a Dac3 or Pre3, the S300 forms the core of an elegant, compact, ultra-high performance entertainment system.

### e.One M300 Mono Audio Power Amplifier

Extraordinary imagery and separation. Based on the S300 architecture, the M300 delivers the same power and dynamic range with channel separation and sonic specificity that only a mono-bloc amplifier architecture can provide.

The M300 can easily be configured for multi-channel or multi-amplified systems. It's remarkable mid-range clarity delivers digital reproduction with a power and presence typically expected from much larger amplifiers. The M300 offers a pivotal building block for any size system.

## Amplifiers



## CD Player

### e.One Series CD-2 CD player 24/96 Transport/DAC with Level Control

The shortest path to sonic purity. The CD-2 provides uncompromising playback of your treasured CD collection. Using the CD-Pro2M professional top loading CD mechanism as the core of the design, the CD-2 provides the best access to the source of digital music both in audio data retrieval and mechanical reliability.

With the latest generation of Sample Rate Converters and the Bel Canto Ultra-Clock™ circuit, the CD-2 is the perfect companion source for supplying digital data to the Dac3.

High-performance RCA and XLR audio outputs with selectable level control enable you to directly drive any amplifier for the ultimate in compact, high performance CD playback.





*"Only the best converters are capable of such perfect results. Here it is as if we have gone from a copy to the original: more nuances and transperence, less distortion and more definition."*

*Jean Hiraga, November 2006*

## Integrated Amplifiers

### e.One S300i Integrated Amplifier

### e.One S300iu Integrated Amplifier with USB DAC

Raise your expectations for integrated audio amplifier performance. The S300i and S300iu represent the ultimate in personal audio systems – and a revolutionary step for computer music and movie playback.

Using the same amplifier and power supply technology as the S300, both the S300i and S300iu integrate a high performance preamplifier with 300 Watts of dual mono balanced power per channel. The high performance preamplifier uses a digitally controlled analog volume control and sealed relay switching to provide a transparent signal path for up to 4 analog inputs and record and main preamp outputs.

The e.One S300iu includes a USB Digital Audio Converter to allow a complete Personal Performance Audio™ system with a computer and a pair of loudspeakers. Whatever the source, the S300i and S300iu are designed to bring you closer to digital performances with a single, powerful and elegant package.





*"Bel Canto has forged a rare alliance between the power, bandwidth and grip of the best transistor amplifiers and the smoothness, delicacy, transparency and musical acuity of the best of valves. The result is a pairing to please the heart, head and spirit."*

*David Berriman, Hi Fi News, July 2004*

## Preamplifiers

### The e.One PRe3 Stereo Analog Preamplifier Balanced I/O

The PRe3 preamplifier is an elegant centerpiece in any e.One Bel Canto audio system, linking remarkable signal fidelity, clarity of purpose and system control.

The PRe3 gives you unique flywheel system access with an intuitive single-knob interface. Signal path and power supply architecture of the PRe3 preserve extraordinarily low, non-linear distortion and noise levels. Wide band-width ensures a high degree of control accuracy and channel-channel tracking.

The PRe3 provides seamless and virtually transparent control of your audio system with the flexibility to easily expand – all in a beautiful, compact and matching package.

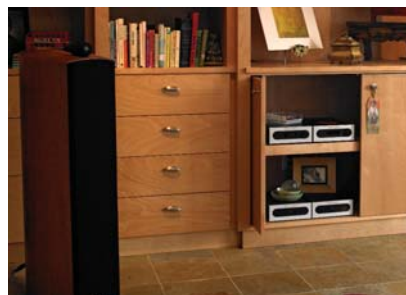


### The e.One PHONO3 MM/MC RIAA Phono Preamplifier

The PHONO3 is a complete high-performance solution for the serious LP lover. The silent operation and wide dynamic range of the PHONO3 will reveal new levels of musical expression from any LP collection.

A potted, mechanically isolated low-noise, high-isolation power transformer and double stage supply regulation ensure that PHONO3 audio circuits deliver the lowest noise with wideband dual-channel power.

Gain settings of 40 or 60 dB provide compatibility with most cartridges. Input loading settings for both input resistance and capacitance provide optimum matching for a wide range of moving magnet and moving coil cartridges. Custom audio grade resistors, capacitors and Class A gain and output buffer stages provide a sonic experience with the highest level of musical resolution possible. Vinyl has never sounded better.





*"My interior-designer-wife liked what she saw – and loved what she heard. Bel Canto sounds as good as it looks. It's the perfect fit for us."*

*Doug H., Bel Canto Owner*

## Dac3 Specifications

### Digital Section

16/32 to 24/96 Inputs . . . . .AES 110ohm XLR, SPDIF 75ohm BNC and RCA, TOSLINK  
16/32 to 16/48 Input . . . . .USB  
All inputs are galvanically isolated from the internal circuit and chassis grounds.

### Ultra-Clock

Accuracy . . . . .0.0001%  
Jitter . . . . .1pS rms

### Analog Section

Maximum Output . . . . .4.5Vrms balanced XLR, 2.25Vrms RCA  
Output Impedance . . . . .200 ohms balanced XLR, 500 ohms RCA  
Frequency Response . . . . .20Hz-20kHz, +/- 0.5dB  
THD+N . . . . .<0.001%, 4.5Vrms balanced Out, 1KHz  
IMD (CCIF) . . . . .<0.0005%, 19:20KHz  
Output Noise . . . . .1.5 uVrms A-weighted 20Hz-20KHz  
Dynamic Range . . . . .129 dB A-weighted 20Hz-20KHz

Idle power draw . . . . .10 Watts  
Power Requirements . . . . .120 VAC 50-60 Hz or 220-240 VAC 50-60 Hz  
Dimensions . . . . .8.5" W x 12.5" D x 3" H (216 mm x 318 mm x 75 mm)  
Weight . . . . .14lbs. (6.5 kg)

## Specifications

## CD-2 CD Player Specifications

Disc Compatibility . . . . .CD-DA (Red Book IEC908), CD-R and CD-RW discs

### Digital Outputs

Data Rate/Bit Depth . . . . .96KHz/24bit  
Digital Output types . . . . .AES/EBU XLR, SPDIF BNC, TOSLINK  
All Digital outputs use galvanic isolation.

### DAC Outputs

Data Rate/Bit Depth . . . . .96KHz/24bit  
Output Levels . . . . .Single Ended RCA 2Vrms, Balanced XLR 4Vrms  
Dynamic Range . . . . .112dB A-Weighted  
THD+N: . . . . .<0.002%  
Output Impedance . . . . .RCA 100ohms, XLR 200 ohms  
Frequency Response . . . . .20Hz-20KHz +/-0.1 dB  
Slow roll-off linear phase digital filter

### Ultra-Clock

Accuracy . . . . .0.0001%  
Jitter . . . . .1pS rms

### Features

Fixed or adjustable analog output  
External regulated power supply  
CD-Pro2LF mechanism

Idle power draw . . . . .5 Watts  
Power Requirements . . . . .120 VAC 50-60 Hz or 220-240 VAC 50-60 Hz  
Dimensions . . . . .8.5" W x 12.5" D x 3" H (216 mm x 318 mm x 75 mm)  
Weight . . . . .18lbs. (8.2 kg)

## S300i Integrated Amplifier Specifications

### Preamplifier Section

Bandwidth . . . . .DC-200KHz  
Volume setting for unity gain . . . . .80.0  
Signal to Noise Ratio @ 2 Volt RMS . . . . .>95 dB A weighted, 20Hz-20kHz  
Input overload . . . . .10 V RMS  
Output Impedance . . . . .500 Ohms Single Ended,  
Input Impedance . . . . .10K Ohms Single Ended  
Maximum Gain . . . . .20dB/10X  
Maximum Preamp Output Level . . . . .9.5 V RMS

### Amplifier Section

Power Output . . . . .150W/channel 8 ohms, 300W/channel 4 ohms  
Minimum rated load impedance . . . . .4 ohms  
Frequency Response . . . . .20Hz-20kHz, +/- 0.5dB  
THD+N . . . . .0.01%, 1W, 1KHz, 4 ohms  
IMD (CCIF) . . . . .0.002%, 1W, 14:15KHz, 4 ohms  
Output Noise . . . . .90uV A-weighted 20Hz-20KHz  
Voltage Gain . . . . .27dB  
Damping Factor . . . . .>1000  
Output Impedance . . . . .<8 milliohms  
Dynamic Range . . . . .111dB  
Output Connection . . . . .2 sets Safety 5-way Binding Posts

Idle power draw . . . . .1.5 Watts  
Power Requirements . . . . .100-120 VAC 50-60 Hz or 220-240 VAC 50-60 Hz  
Dimensions . . . . .8.5" W x 12.5" D x 3" H (216 mm x 318 mm x 75 mm)  
Weight . . . . .12lbs. (5.5 kg)

## S300iu Integrated Amplifier Specifications

### Preamplifier Section

Bandwidth . . . . .DC-200KHz  
Volume setting for unity gain . . . . .80.0  
Signal to Noise Ratio @ 2 Volt RMS . . . . .>95 dB A weighted, 20Hz-20kHz  
Input overload . . . . .10 V RMS  
Output Impedance . . . . .500 Ohms Single Ended,  
Input Impedance . . . . .10K Ohms Single Ended  
Maximum Gain . . . . .20dB/10X  
Maximum Preamp Output Level . . . . .9.5 V RMS

### Amplifier Section

Power Output . . . . .150W/channel 8 ohms, 300W/channel 4 ohms  
Minimum rated load impedance . . . . .4 ohms  
Frequency Response . . . . .20Hz-20kHz, +/- 0.5dB  
THD+N . . . . .0.01%, 1W, 1KHz, 4 ohms  
IMD (CCIF) . . . . .0.002%, 1W, 14:15KHz, 4 ohms  
Output Noise . . . . .90uV A-weighted 20Hz-20KHz  
Voltage Gain . . . . .27dB  
Damping Factor . . . . .>1000  
Output Impedance . . . . .<8 milliohms  
Dynamic Range . . . . .111dB  
Output Connection . . . . .2 sets Safety 5-way Binding Posts

### USB DAC Section

Maximum Data Rate/Bit Depth . . . . .48KHz/16bit  
THD+N . . . . .0.005%  
SNR . . . . .96dB  
Frequency Response . . . . .20Hz-20KHz +/- 0.25 dB  
Compatible with . . . . .Windows 98SE through XP-Pro; Mac OS9, OS X

Idle power draw . . . . .1.5 Watts  
Power Requirements . . . . .100-120 VAC 50-60 Hz or 220-240 VAC 50-60 Hz  
Dimensions . . . . .8.5" W x 12.5" D x 3" H (216 mm x 318 mm x 75 mm)  
Weight . . . . .12lbs. (5.5 kg)

### 5300 Power Amplifier Specifications

Power Output	300W/channel into 4 ohms, 150W/channel into 8 ohms
Minimum Load	4 ohms
Frequency Response	+/-0.5dB 20Hz-20KHz, all loads
THD+N	0.01%, 1W, 1KHz, 4 ohms
IMD (CCIF)	0.002%, 1W, 14:15KHz, 4 ohms
Output noise	.90uVRMS A-weighted 10Hz-20KHz
Voltage gain	27dB (single ended or balanced input)
Damping factor	>1000
Output Impedance at 100Hz	<.8 milliohms
Dynamic Range	111dB
Input Voltage for Max Output	1.5Vrms
Input connections	Single-ended RCA or balanced XLR
RCA input impedance	10Kohms
Balanced input impedance	20Kohms
Output connections	2-sets WBT 5-way safety binding posts
Standby Power	10W
Size	8.5"x3"x12", 216mmx76x305mm (WxHxD)
Weight	9lbs, 4Kg

### M300 Power Amplifier Specifications

Power Output	300W into 4 ohms, 150W into 8 ohms
Minimum Load	4 ohms
Frequency Response	+/-0.5dB 20Hz-20KHz, all loads
THD+N	0.01%, 1W, 1KHz, 4 ohms
IMD (CCIF)	0.002%, 1W, 14:15KHz, 4 ohms
Output noise	.90uVRMS A-weighted 10Hz-20KHz
Voltage gain	27dB (single ended or balanced input)
Damping factor	>1000
Output Impedance at 100Hz	<.8 milliohms
Dynamic Range	111dB
Input Voltage for Max Output	1.5Vrms
Input connections	Single-ended RCA or balanced XLR
RCA input impedance	10Kohms
Balanced input impedance	20Kohms
Output connections	WBT 5-way safety binding posts
Standby Power	5W
Size	8.5"x3"x12", 216mmx76x305mm (WxHxD)
Weight	9lbs, 4Kg

### Ref 1000 Power Amplifier Specifications

Power Output	>1000W into 4 ohms, >500W into 8 ohms
Minimum Load	2 ohms
Frequency Response	+/-0.5dB 20Hz-20KHz, all loads
THD+N	0.007% 1W, 1KHz, 4 ohms
IMD (CCIF)	0.0007%, 1W, 14:15KHz, 4 ohms
Output noise	.90uVRMS A-weighted 10Hz-20KHz
Voltage gain	27dB (single ended or balanced input)
Damping factor	>1000
Output Impedance at 100Hz	<.8 milliohms
Dynamic Range	120dB
Input Voltage for Max Output	3Vrms
Input connections	Single-ended RCA or balanced XLR
RCA input impedance	10Kohms
Balanced input impedance	20Kohms
Output connections	1-set WBT 5-way safety binding posts
Standby Power	15W
Size	8.5x3x12[inches], 216x76x305[mm] (WxHxD)
Weight	13lbs, 6Kg

### Pre3 Preamplifier Specifications

Bandwidth	DC-200KHz
Volume setting for unity gain	80.0
Signal to Noise Ratio @ 2 Volt RMS	>105 dB A weighted, 20Hz-20kHz
Distortion @ 2 Volt RMS/1kHz	<.001%
Dynamic Range	120 dB
Input overload	10 V RMS
Output Impedance	500 Ohms Single Ended, 200 Ohms Balanced
Input Impedance	10K Ohms Single Ended, 20K Ohms Balanced
Maximum Gain	20dB/10X
Maximum Output Level	9.5 V RMS

Idle power draw	10 Watts
Power Requirements	100-120 VAC 50-60 Hz or 220-240 VAC 50-60 Hz
Dimensions	8.5" W x 12.5" D x 3" H (216 mm x 318 mm x 75 mm)
Weight	10lbs. (4.5 kg)

### PHONO3 Phono Preamplifier Specifications

SE RCA Input Pairs	1
SE Out Pair	1
Bandwidth	1Hz-50KHz
RIAA Accuracy	20Hz-20KHz +/-0.2dB
SNR	> 80 dB Re 5mV, A-weighted
Gain Options	.40 db and 60 dB
Input R Load	.30 ohms to 47 K ohms, 16 switch settings
Input C Load	.150 pF to 860 pF, 8 switch settings
THD+N	< 0.01% 2Vrms/1KHz out
Maximum Output	10Vrms
Power	10W
Size	8.5"x3"x12", 216mmx76x305mm (WxHxD)
Weight	10lbs, 4Kg

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All products comply with RoHS standards and are designed, engineered and manufactured in the USA.

Features and Specifications are subject to improvements and changes without prior notice.

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