



C1

Digital to Analog Controller



Where Swiss Precision Meets Exquisite Refinement





GRAND PRIX 2011 STEREO SOUND



BEST PERFORMANCE OF THE YEAR 2014 AUDIO ART



OUTSTANDING PREMIER. OVERALL PERFORMANCE AWARDS 2013 SUPER AV

C1

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Designed for the true music lovers, the C1's apparent simplicity hides highly sophisticated technological solutions with the single goal of recreating the full musical experience. It can only be achieved when both level and time information are properly reconstructed from the digital data. And this is what the C1 is all about.

OPTION BOARDS

Digital Input Board Four stereo digital inputs - CH Link, AES/EBU, S/PDIF and Toslink - are provided on a single board. Up to three Digital Input Boards per C1. One board is factory fitted. **Ethernet Audio Streaming Input Board** Enables bit-exact, ultra low jitter playback of high resolution files over an Ethernet network. Connects to a UPnP/DNLA compatible server (eg NAS). Browse music from a tablet, smartphone or a computer. **USB Audio Streaming Input Board** Enables bit-exact, ultra low jitter playback of high resolution audio files directly from a computer. **Analog Input Board** Stereo analog line level inputs. Sets of balanced and single-ended inputs. Discrete fully differential circuit topology. **Clock Synchronization Board** Master/Slave clock synchronization board. Allows the C1 to become the system clock master or to receive clock synchronization from an atomic clock generator or digital audio embedded clocks.

X1 External Power Supply



Input Modularity

- Factory fitted with CH Link, AES/EBU, S/PDIF and Toslink digital inputs. The CH Link interface allows for synchronized transfer of high definition audio content including DSD (ideal interconnection to the D1 SACD, CD Transport/Player)
- Ethernet audio streaming input, UPnP/DLNA compatible, optional
- USB audio streaming input, optional
- Analog balanced XLR and single-ended RCA inputs, optional

Processing

- Proprietary CH-HiD synchronous data over-sampling processing
- DSD to 705.6kHz PCM conversion
- Resolution enhancement for audio material of less than 24bits
- Digital to Analog converters data scrambling
- Linearization of the R-2R converters through calibration process

Timing & Clocking

- Ultra low jitter digitally controlled VCXO oscillators on dedicated power supplies
- Optional Master/Slave synchronization board

Digital to Analog Conversion

- Four R-2R converters per channel
- Full dual mono symmetrical circuit topology
- Discrete dedicated regulated linear power supplies for low noise and maximum channel separation

Volume Control

Bypassable 0.5dB step hybrid volume control

Analog Stage

- Pure class A, fully symmetrical design
- Fully discrete, ultra low noise, high slew rate design
- Zero global feedback
- Analog balanced XLR, single-ended RCA and BNC outputs
- No capacitor in the audio signal path

The X1, musically and stylishly complementing the C1, is an ultra low noise, discrete, regulated linear power supply. It further improves the C1's performances, allowing your system to reach the next level of signal transparency, speed and musicality.



UNIT SPECIFICATIONS

Digital Audio Inputs	
AES EBU, S/PDIF, Toslink	PCM up to 192kHz/24bits
CH Link	PCM up to 768kHz/32bits and native DSD up to 5.6448MHz/1bit
Stereo Analog Audio Outputs	
Total Harmonic Distortion + Noise	Less than 0.001%
Signal to Noise Ratio	Better than 120dB
General	
Display	480 x 272 pixels 24bits RGB AMOLED
Power supply	Selectable 100V, 115V or 230V AC, 47Hz to 63Hz, < 1W in Standby
Overall dimensions and weight	440mm x 440mm x 133mm, 20kg
Software update / Control	USB port for software update / Ethernet based system control

Specifications subject to change without notice. Illustrations are informative only.