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Prism Sound Callia
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Prism Sound Callia

Šifra: 16931
Kategorija prozivoda: DAC-ovi
Proizvođač: Prism Sound

Cena: 191.880,00 rsd

The stereo XLR and RCA outputs accommodate proper connectivity with balanced and unbalanced equipment such as speakers, power amps, stereo receivers, or monitor controllers. Additionally, a front-panel 1/4" TRS jack provides a high-current, low-impedance, headphone output that has three selectable operating ranges. Separate illuminated volume controls for the headphone and line outputs enable independent levels for monitors and headphones.

The CALLIA is compatible with Mac OS X, Windows, Linux, iOS, and Android, and ships with one USB cable, an IEC power cable, and a preloaded USB flash drive.

Reliable Quality
Prism Sound uses precise software calibration techniques in its converters to avoid the unreliability of pots and tweaks. Minimizing noise, interference, and hum was a priority in the design. All the analog circuits have galvanic isolation, while the unit's electronically balanced I/O allows it to handle common mode interference sources and trouble-free connection to unbalanced equipment.

Low-Impedance Headphone Output
The CALLIA headphone output utilizes a design different from that of the Prism Sound professional audio range. The CALLIA headphone output is a high-current, low-impedance design to handle the wide range of headphone sensitivities and impedances by providing several operating ranges, selected by switch presets on the rear panel of the unit. In this way, CALLIA can easily handle headphones from a few Ohms to more than 250 Ohms and will deliver a smooth, balanced, and transparent sound.

Easy Connectivity
By incorporating a UAC2-compliant USB 2.0 interface, the CALLIA is supported natively in Mac OS X, Linux, and Android, and in Windows with the supplied WDM and ASIO drivers. It also supports S/PDIF digital audio inputs via TOSLINK optical or coaxial copper jacks. Source selection is automatic, though manual override is possible.

Balanced and Unbalanced Outputs
The CALLIA offers balanced and unbalanced output formats at 14 dBu and 2 Vrms respectively. The balanced output is presented on XLR 3-pin male connectors, while the unbalanced output is on RCA coaxial connectors.

Multiple Audio Formats
Support is provided for linear PCM and DSD formats. Using DSD over PCM (DOP) protocol, the CALLIA accommodates DSD at the original rate (DSD64) and at two times the original rate (DSD128). DSD files encoded as DOP may be played with both ASIO and WDM drivers.

Stable Clocking
The CALLIA uses the same CleverClox hybrid digital phase-locked loop (DPLL) circuitry as the Prism Sound professional line. The CleverClox regenerates clock signal for optimum stability.
Prism Sound CALLIA Specs
System Requirements Mac OS X 10.5 or later (Intel only)

Host application that supports Core Audio

Windows Vista or later (32- / 64-bit)
Host application that supports ASIO or WDM

Linux

Android or iOS (separate adapters may be required)
Inputs 1 x TOSLINK optical (S/PDIF)
1 x coaxial (S/PDIF)
Outputs 2 x XLR 3-pin (balanced)
2 x RCA (pseudo-balanced)
1 x 1/4" TRS stereo headphone jack
USB 1 x USB 2.0 Type B
Bit Depth PCM via S/PDIF Input: Up to 24-bit
PCM via USB Input: Up to 32-bit
DSD: 1-bit
Sample Rates PCM: Up to 384 kHz
DSD64: 5.6448 MHz, 6.144 MHz
DSD128: 11.2896 MHz, 12.288 MHz
Supported Digital Audio Standards S/PDIF (TOSLINK or coaxial)
AES3 (coaxial)
Output Level XLR: 0 dBFS = 14 dBu
RCA: 0 dBFS = 2 Vrms
1/4" Hi-Z: 0 dBFS = 18 dBu
1/4" Med-Z: 0 dBFS = 14.45 dBu
1/4" Lo-Z: 0 dBFS = 8.45 dBu
Output Impedance XLR/RCA: 50 Ohms
1/4": 4 Ohms
Unbalanced Outputs Automatic, with bootstrapping level compensation
Balance Output: >50 dB
Total Harmonic Distortion (THD) XLR/RCA: -107 dB at -0.1 dBFS (0.00045%)
1/4": -104 dB at -0.1 dBFS (0.00045%)
THD+N XLR/RCA: -106 dB at -0.1 dBFS (0.0005%)
1/4": -103 dB at -0.1 dBFS (0.0005%)
Dynamic Range XLR/RCA: 115 dB (-60 dBFS)
1/4": 113 dB (-60 dBFS)
Gain Accuracy ±0.05 dB
Attenuation LF Roll-Off (XLR/RCA): -0.05 dB at 8 Hz, -3 dB at <1 Hz
LF Roll-Off (1/4"): -0.05 dB at 6 Hz, -3 dB at 1.45 Hz
HF Roll-Off (XLR/RCA) at 44.1 kHz: -0.05 dB at 21.4 kHz, -3 dB at 22 kHz
HF Roll-Off (XLR/RCA) at 48 kHz: -0.05 dB at 23.2 kHz, -3 dB at 23.9 kHz
HF Roll-Off (XLR/RCA) at 96 kHz: -0.05 dB at 32 kHz, -3 dB at 47.8 kHz
HF Roll-Off (XLR/RCA) at Samples Rates 192 kHz and Higher: -0.05 dB at 32 kHz, -3 dB at 76 kHz
HF Roll-Off (1/4") at 44.1 kHz: -0.05 dB at 20.3 kHz, -3 dB at 22 kHz
HF Roll-Off (1/4") at 48 kHz: -0.05 dB at 21.1 kHz, -3 dB at 23.9 kHz
HF Roll-Off (1/4") at 96 kHz: -0.05 dB at 27 kHz, -3 dB at 47.8 kHz
HF Roll-Off (1/4") at Samples Rates 192 kHz and Higher: -0.05 dB at 27 kHz, -3 dB at 71 kHz
Crosstalk XLR/RCA (1 kHz): < -135 dB
XLR/RCA (20 Hz to 20 kHz): < -120 dB
1/4" (1 kHz): < -120 dB
1/4" (20 Hz to 20 kHz): < -105 dB
Inter-Channel Differential Phase XLR/RCA (10 Hz to 5 kHz): ±0.4°
XLR/RCA (5 kHz to 20 kHz): ±0.25°
XLR/RCA (20 kHz to 50 kHz): ±0.5°
1/4" (10 Hz to 5 kHz): ±0.1°
1/4" (5 kHz to 20 kHz): ±0.25°
1/4" (20 kHz to 50 kHz): ±0.5°
Channel Support S/PDIF Input: Channel status ignored
Clocking System Prism Sound CleverClox hybrid PLL
Clock Sources Local or S/PDIF input (automatic selection)
Clock Accuracy ±50 ppm

Jitter Rejection Filter >60 dB/decade above 100 Hz
Ambient Operating Temperature 32 to 95°F / 0 to 35°C
Ambient Operating Humidity 85% maximum relative humidity
Power Consumption 15 W
Power Requirement 90 to 250 VAC, 50 to 60 Hz via IEC 6A connector
Fuse Rating 0.5 A (T), 0.8" / 20 mm, glass
Dimensions 11.2 x 9.5 x 2.0" / 285 x 242 x 50 mm (including feet)
Weight 4.6 lb / 2.1 kg
Packaging Info
Package Weight 9.46 lb
Box Dimensions (LxWxH) 16.8 x 13.3 x 4.3"