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ULTRA DAC



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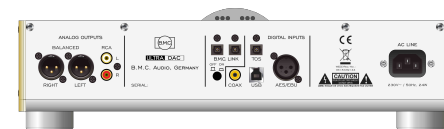
The UltraDAC delivers a digital to analog converter of the highest quality. It combines its DAC with a balanced preamplifier, a reference-level balanced headphone amplifier, and B.M.C.'s exclusive Digital Intelligent Gain Management (DIGM), a superior volume and amplification control system without dividing or downgrading the input signal.

The UltraDAC's balanced preamp is integrated with the DAC's current-to-voltage converter, which converts and filters the DAC's current, eliminating the need for an extra stage. The Preamp and headphone amp both employ B.M.C.'s exclusive Load Effect Free (LEF) technology that handles current demand separately from the voltage demand, and naturally avoids distortions increasing the quality of audio reproduction.

It is equipped with separate volume controls for the preamp and the headphone, a high-resolution asynchronous USB interface, digital AES/EBU, Toslink and coaxial inputs, balanced analog outputs, RCA output jacks, and a special B.M.C. link for connecting to a B.M.C. amplifier. It's balanced output is ideally compatible with amplifiers featuring B.M.C.'s exclusive Current Injection (CI) technology, which enhances signal purity and the musical presence of the UltraDAC's audio reproduction.

DIFFERENCES FROM THE PUREDAC:

- Top level local clock oscillator with super low phase noise and jitter
- 70% larger power supply for perfect stability under all conditions
- New hybrid LEF headphone amplifier with 15A bipolar voltage output devices and MOSFET current sources.
- Vastly improved unbalanced standard headphone output with separate stage.
- New hybrid LEF line stage with bipolar voltage output devices and MOSFET current sources.
- SPDIF inputs with full 192kHz support: AES/EBU, Coaxial and Toslink.
- Quiet cabinet with damping.
- Operation with fixed line output available.
- Remote control includes PureAmp functions.





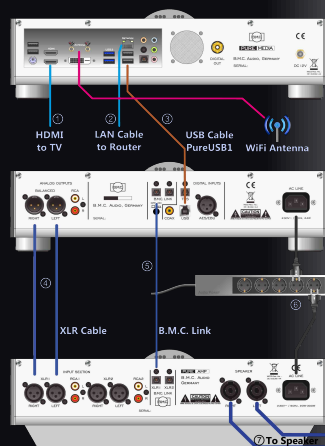
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FEATURES:

- Top grade Digital / Analog Converter with CI current-to-voltage (I/V) conversion.
- High-resolution asynchronous USB interface up to 32bit/384kHz.
- USB PCM: 16...32bit; 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384kHz, including ASIO driver for Windows.
- DXD support without FIR filtering.
- USB DSD: DSD64, DSD128.
- AES/EBU, coaxial and Toslink digital inputs up to 24bit / 192kHz.
- Top level local clock oscillator with super low phase noise and jitter.
- Balanced, reference-class headphone amplifier with digital/analog power conversion (DAPC), 15A bipolar voltage output devices combined with MOSFET current sources, a super-low impedance LEF output stage, and lossless Digital Intelligent Gain Management (DIGM) volume control.
- Balanced LEF, CI-compatible preamp that optionally operates in B.M.C. Mode, with DIGM and bipolar voltage source combines with a DMOS current source and LEF-balanced output stage.
- Separate volume controls for the line and headphone sections.
- Operation with fixed line output available.
- Second-generation DIGM with optimized gain distribution between power amps and internal and DIGM.
- Optical B.M.C. Link for connecting with B.M.C. amplifier like the PureAmp.
- Remote Control including PureAmp functions.
- Top grade parts like MPP (conductive film polypropylene, non inductive) and balanced current capacitors, precision metal film resistors...
- Massive and stylish extruded aluminum chassis with vibration damping.
- Dimensions: 14.37x4.06x12.91", W/H/D (365x103x328mm), weight: 13.9lbs (6.3 kg)



REFERENCE CLOCK

