The D2 borrows the same configuration for the output and power stages as its big brother D201. Great detail, great dynamic capacity and ready for the new high resolution formats

Musica D2

DAC 32 bit 384 khz / DSD 512 hi-res

State-of-the-art digital processor with dual-speed high-precision floating-point filter digital processing circuitry

circuit configuration for direct D / A conversion of the DSD signal. Support for playback of 5.12 MHz (2-channel 1-bit DSD) and 384 kHz (32-bit 2-channel PCM) high-resolution sources.

3 digital inputs included.

sample rate reading and number of quantization bits of the input source based on actual measurement.

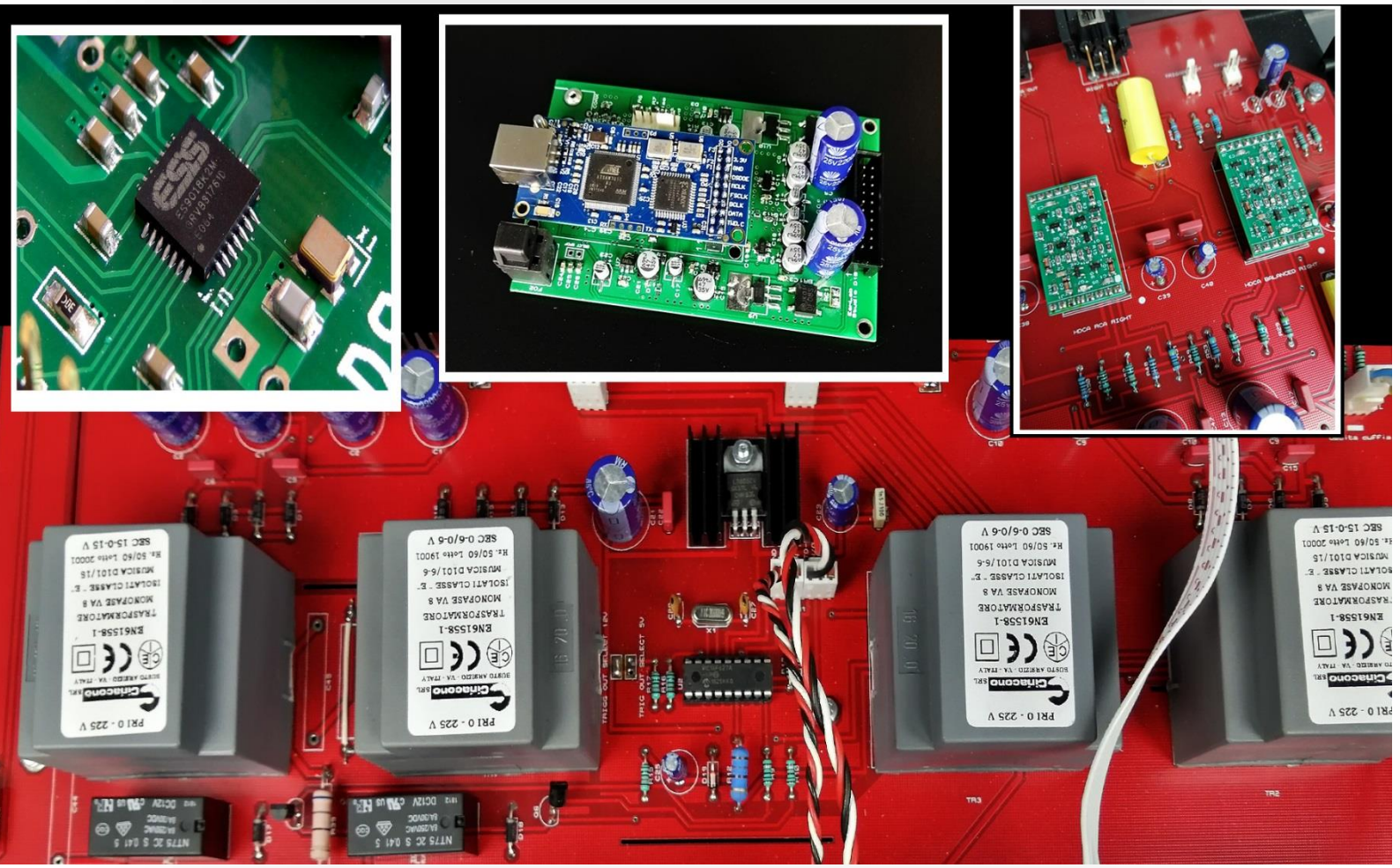
This unit is a fusion of the best specs that can maximize the output of any audio source and a system that can truly bring music into contact with the listener. This is Eamlab's solution for high resolution playback. Offers quality reproduction of currently available audio data up to PCM 384 kHz / 32 bit and DSD 5.64 MHz. The design is based on our commitment to analog technology and developments in processing using the latest generation of DSPs. .

Excellent design, state of the art performance

High resolution streaming services usually use PCM encoding as used on CDs. Another option is the DSD encoding used for SACDs. The USB input of the D2 is fully compatible with both PCM and DSDs that many users are interested in. This unit can draw the nuances of encoded music and demonstrate its full potential. The USB input has a maximum PCM resolution of 384kHz / 32bit and a maximum of 5.64MHz for DSD. The S / PDIF input can handle audio up to 192 kHz / 24 bit. Streaming services can deliver up to 192kHz / 24bit for PCM and 2.82MHz for DSD, but the playback specifications of the D2 exceed these. EAMLAB prepared for the further evolution of state-of-the-art sound sources.DSD sta per Direct Stream Digital, una moderna tecnica di codifica digitale che utilizza la quantizzazione per equiparare

The enemy of data reproduction is jitter, which causes the deterioration of any digital audio signal. The D2 uses asynchronous DSP transmission via dedicated processing which cancels common mode noise from the USB terminal. The S / PDIF input circuit reduces jitter by using asynchronous processing and an integrated DAIR (Digital Audio Interface Receiver). In addition, the introduction of a low-noise clock module contributes to the accuracy of the entire signal transmission.

the Numerous filters and their slopes can be selected and set by remote control. 4 completely separate power supplies, each with a dedicated power transformer, are used to power the digital and analog sections, to avoid any possibility of RF noise or electrical interference that could degrade the sound purity. –The D2 is a digital processor that redefines the concept of “cutting edge” and has its sights set on the future, including streaming-based audio and high-resolution liquid music. Only the highest quality parts are used in the circuit components and the carefully selected components return an immense wealth of information that results in a spectacular musical experience



Musica D2

- **This unit is a fusion of the best components - capable of maximizing the output of any audio source and a system capable of truly connecting the music with the listener**

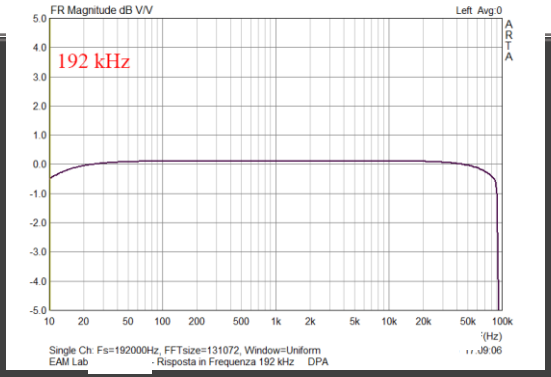
–

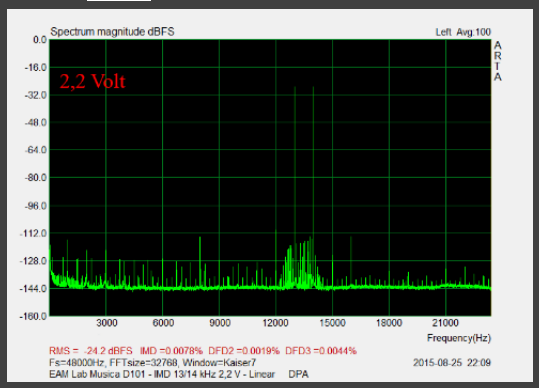
D2 incorporates the ES9018 32-bit Saber Reference DAC chipset, still widely regarded as the best available. This is surrounded by exceptionally well specified circuitry that puts other similarly priced DACs to shame, including a proprietary discrete master clock to minimize jitter, along with extensive time domain isolation.

The HDCATM output stages ensure that the audio signal, after conversion from digital to analog domain, is of the highest quality.

D2 processes audio data up to 32bit / 384kHz via USB; this is a far superior specification to that required by current high-resolution music formats, ensuring this new high-quality addition is fully prepared for future advances in ultra-high-definition digital sound.

The finely tuned analog section is another example of the award-winning Balanced Design via proprietary HDCATM design philosophy, according to which the selection of electronic components is not dictated only by specifications, but extensive listening tests are conducted under controlled conditions to determine the best way in which to proceed. At this stage the entire circuit is carefully tuned to obtain sonic accurate signal reproduction





Built to deliver stunning sound quality, yet designed for an increasingly digital world, MUSICA D2 offers an excellent combination of superior sonic quality and affordability.

Eamlab HDCA TM: Buffer and amplifier for output signals, offers powerful direct current transmissionù

The high-speed current transmission capability is the most important factor. It is the ability of an analog output circuit to transmit the wide dynamic range of a music signal without loss. the large resources invested in the D2s in the output buffer amplifier circuits greatly extend the limits of its performance as a line driver. Characterized by a high current output capability, these high performance elements boast an exceptionally high signal rate of change with a slew rate close to 500V / µs as an indicator of its remarkable response speed.

The D2's top-level buffer circuit configuration features four modules for the RCA outputs and two circuits each for the + and - terminals of the XLR outputs.

Maximizing its ability to deliver instant current output, the D2 reproduces the full dynamic range of music with breathtaking realism

Hi-Res AUDIO

SABRE32 Reference DAC

ESS TECHNOLOGY

DSD Direct Stream Digital

Technical features

- **THD** < 0.002%
- **S/NR** > 120db
- **Channel separation >**114db
- **Input :** coax / optical/ AES_EBU / usb
- **Sampling freq USB** 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz (16 to 32 bit 2-channel PCM) 2.8224 MHz, 5.6448 MHz (1-bit 2-channel DSD)
- **COAX PCM** 32 kHz**,** 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz (16 to 24 bit 2-channel PCM)
- **Optical PCM** 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz (16 to 24 bit 2-channel PCM)
- **Freq response :** 8hz – 80 Khz +/- 3db
- **Dynamic range >** 115db
- **Output level control** 0 to -80db
- **Output Voltage** XLR 2.8 Vrms / RCA 1.3 Vrms
- **Trigg In** : 5 to 20 V
- **Trigg out** : 5 or 12 V selectable
- **Idle power** : 1 W stand-by / 10 W idle
- **Dimension** : 420 * 390 * 100 mm
- **Weight** : 12Kg

The specifications and appearance of this product are subject to change without notice.

Eam Laboratory

Printed in Italy

www.eamlab.com