

Every component of the new D201 has been completely upgraded from its previous generation to create a premium device with the ultimate in mechanical design, power and circuitry.

Musica D201

32 bit DAC 786 khz / DSD 1024 hi-res , digital Preamplifier & phones amplifier



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 12.6448 MHz (2-channel 1-bit DSD) and 786 kHz (32-bit 2-channel PCM) high-resolution sources.

4 digital inputs including Aes-ebu and USB.

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

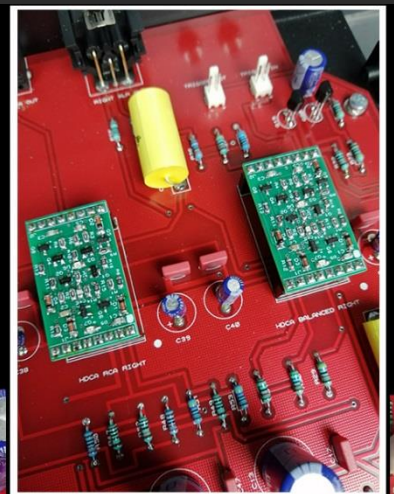
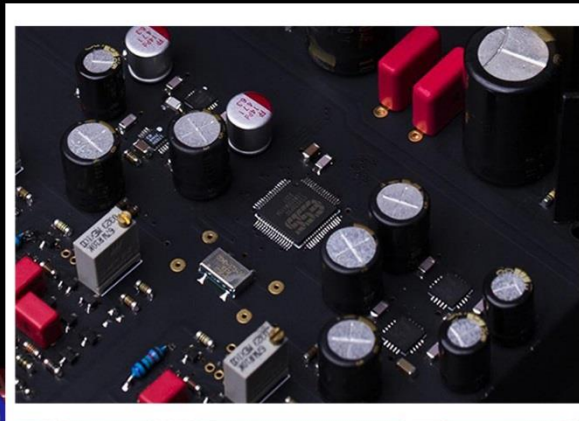
Digital pre-amplifier and headphone amplifier

Excellent design, state of the art performance

In 2014 EamLab presents the Musica D101, a dac capable of remarkable performance, always innovative and equipped with the first 32-bit conversion chip. Today, in 2021, we present the new MUSICA D201 completely revised and ready for the new high and very high resolution formats. The project revolves around the new ES 9038Pro chip capable of processing PCM signals up to 784 KHz and DSD 1024. the D201 inherits the exceptional technology of the previous model while opening a new chapter in signal processing. It features an MDSD type D / A converter that achieves direct DS signal conversion and supports sources up to 12.666Mhz

In line with this development, the interface has also been updated to version 2 with significantly expanded sampling frequency and quantization support up to 12.686 Mhz (1 bit 2 DSD channels) and 786 KHz in PCM. D201 also offers convenience and functionality. Digital external sources can be connected via a total of 4 inputs: COAX, Optical, USB and AES / Ebu. It can accept data from a computer, a CD player and SACD, returning the information in musical signals with unprecedented quality and transparency. The front panel display shows not only the sampling frequency of the selected source

but also the numerous filters and their slopes that can be selected and set by remote control. the 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 D201 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 parts of the highest quality are used in the circuit components and the carefully selected components return an immense wealth of information that results in a spectacular musical experience

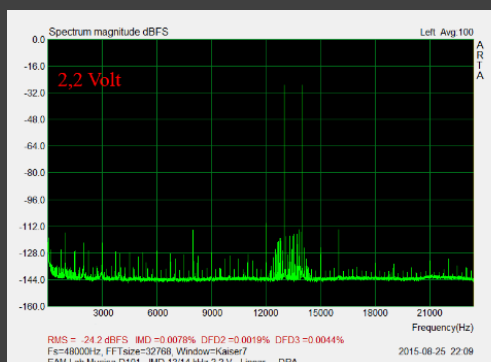
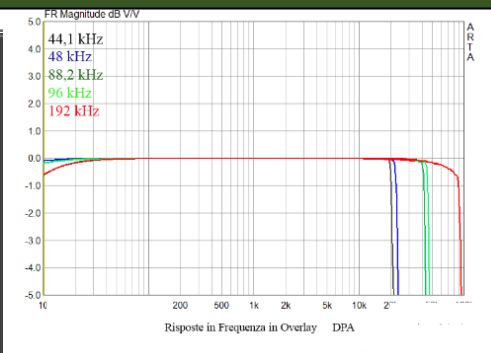


- A total redesign of every component turns the D / A converter into a spectacular conversion machine. New listening impressions await you with extraordinary music reproduction capability

The D201 uses 16 (8 + 8) 32-bit Hyperstream™ DAC circuits connected in parallel to achieve low noise and phenomenal linearity. Its Saber 9038PRO chipsets are manufactured by ESS. In addition to processing DSD signals directly, a new proprietary processing algorithm performs analog conversion of PCM data with 36-bit resolution for rich, smooth and delicately detailed sound quality.

the performance improvement offered by this Eamlab proprietary principle results in output signal noise at very low levels, a feat that is very difficult to achieve with conventional delta-sigma converters.

The dedicated Crystek quartz oscillator is used as a master clock to drive the D / A converter in asynchronous mode with the double advantage of also having a significantly reduced jitter



Eight parallel connected D / A converter circuits ensure exceptional performance in all aspects, including superb S / N ratio and surprisingly low harmonic distortion.

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



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 extensive resources invested in the D201 in the output buffer amplifier circuits greatly extend the limits of its performance as a line driver. Featuring a high current output capability, these high performance elements boast an exceptionally high signal rate of change with a slew rate close to 500V / μ s as an indicator of its remarkable response speed.

The top-level buffer circuit configuration of the D201 features four modules for the RCA outputs and two circuits each for the + and - terminals of the XLR outputs.

Maximizing its ability to deliver instantaneous current output, the D201 reproduces the full dynamic range of music with breathtaking realism





Technical Specification

- **THD** < 0.002%
- **S/NR** > 121db
- **Channel separation** >117db
- **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** : 2hz – 80 Khz +/- 3db
- **Dynamic range** > 118db
- **Output level control** 0 to -80db
- **Output Voltage** RCA 3.8 Vrms / XLR 1.8 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

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