

Tambaqui The DAC that Stands Alone



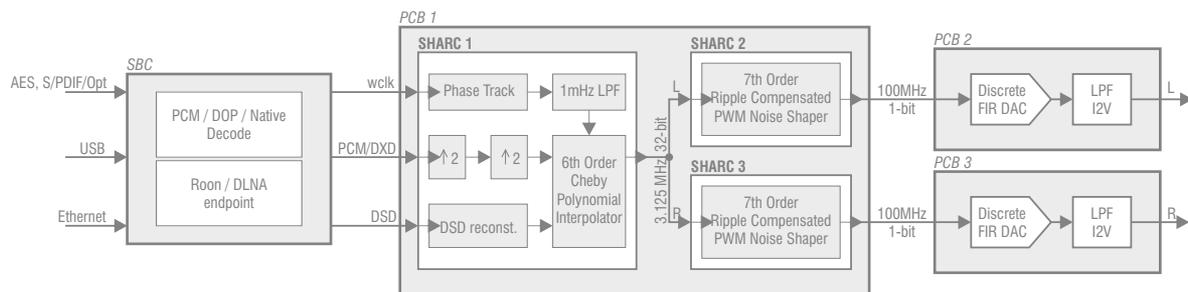
Responding to popular demand, Mola-Mola is bringing out the famous discrete DAC from the Makua as a separate.

Mola-Mola's *Tambaqui* DAC is the perfect upgrade for owners of complete high end systems who want to retain the characteristic sound of their existing preamplifier whilst lifting their digital sources to another level.

Digital That's As Good As Analogue

Thanks to the addition of lossless digital volume control, it is also the ideal cornerstone of a minimalist audio system for music lovers who have moved on to digital but crave the full performance of the analogue original. This DAC, combined with a pair of Mola-Mola *Kaluga* monoblocks constitutes the finest digital replay chain available, irrespective of price.

Analogue that's As Good As Digital



Operating Principle

- PWM DAC with 32-stage discrete analogue FIR output stage. Avoids “sigma delta” tones and “R2R” glitch and low-level linearity errors.
- Asynchronous upsampling to 3.125MHz/32 bit.
- 7-th order noise shaper clearing 80kHz band.
- Each input rate has an optimized upsampling filter chain.

I/O

- Optical (Toslink)
- S/PDIF (Cinch)
- AES/EBU (XLR)
- USB type B
- Ethernet (Roon)
- Bluetooth (A2DP, APTX)
- I²S over HDMI
- Balanced output
- Headphone output (6.3mm Jack, Balanced XLR)
- 2 programmable trigger outputs

Supported formats

- PCM up to 384 kHz / 32 bits (>192 kHz and >24 bits only via USB and Ethernet).
- DoP up to double speed and Native DSD up to quad speed.

Performance

- Full-Scale Output Level: 20dBu.
- Signal to Noise Ratio: 130dB.
- THD, IMD: not measurable (estimated -140dB).
- Bandwidth: Up to 80kHz (apodising response).
- Integrated jitter: <1ps from 10Hz upwards, <300fs from 1kHz upwards.
- Jitter rejection: >80dB at 1Hz after 20 seconds of lock.

