



ASTRALIUS

Re-Clocking Digital-to-Analog Converter



The ASTRALIUS is MUTECH's definitive answer to how digital music should sound today. As our first-ever D/A converter, it combines our decades of expertise in ultra-low phase noise clocking of digital audio systems with reference-level analog output. Building on our worldwide proven 1G-Clock technology and the REVIVE re-clocking algorithm of the MC3+ series, the ASTRALIUS merges cutting-edge clocking technology with a no-compromise high-end analog conversion stage.

Even during the development of the MC3+ series, it became evident how dramatically low phase noise clocking can enhance the sound quality of digital music. The ASTRALIUS fully exploits this potential: its REVIVE re-clocking algorithm effectively reduces jitter and elevates digital audio signals to an entirely new level of sonic performance – with greater calmness, structure, and spatial depth in musical presentation.

Features

- Dual-mono architecture based on ESS Sabre® DACs for ultimate resolution and audiophile quality
- 1G-Clock technology and REVIVE re-clocking algorithm, acclaimed worldwide through the MC3+ and MC3+ USB
- Supports PCM audio up to 768.0 kHz and DSD512, DoP256
- Galvanically isolated USB interface with ultra-low phase noise oscillators, switchable
- Eight digital inputs including USB, AES/EBU, S/P-DIF, and I²S (HDMI & RJ45)
- 10 MHz reference clock input for external clock synchronization
- Integrated high-fidelity headphone amplifier with dedicated volume control (remotely controllable)
- Ultra-low noise DC power supplies for each circuit section, optimized down into the sub-Hz range
- Linear dual power supply with separate feeds for analog and digital sections
- Highly efficient AC line input filtering
- Bilingual, switchable front display for undisturbed music playback
- Designed and manufactured in Germany

Two ESS Sabre® DACs operating in mono mode form the heart of the fully balanced converter architecture. The ASTRALIUS processes PCM audio up to 768 kHz, DSD up to x512, and DoP up to x256. Eight digital inputs including USB, AES/EBU, S/P-DIF, and I²S over HDMI and RJ45 make it a versatile hub for high-end audio playback.

A separate 10 MHz reference clock input allows operation with external reference master clock generators such as the MUTEC REF10, REF10 NANO, or REF10 SE120. The galvanically isolated USB input with ultra-low phase noise clock oscillators ensures maximum signal

integrity and can be deactivated when not in use to further minimize interference. A powerful headphone output with its own volume control and remote capability rounds off the well-thought-out concept.

With its audiophile-grade overall concept, linear dual power supply, intuitive connectivity layout, and switchable front display and USB interface, the ASTRALIUS appeals to everyone seeking to experience music more intensely – whether in a studio or a high-end home setup. Designed and manufactured in Germany.



Applications

- In high-end stereo systems: as the central D/A conversion hub for streamers, CD transports, and other digital sources – with maximum clarity and precision
- As an audiophile desktop DAC: delivering uncompromised sound at the workplace or in the home office – paired with active speakers or high-quality headphones
- To optimize digital players: thanks to the jitter reduction provided by the REVIVE re-clocking algorithm – for greater calmness, structure, and spatial depth
- In studio or mobile setups: as a precise monitoring DAC with an audio interface, laptop, or master clock



Learn more about the ASTRALIUS at www.mutec-net.com