

Stéphane Even follows his dream of sound perfection with three world premières, integrating his revolutionary Zero Vibration technology.

Come and listen from 5 to 8 May, at the High End in Munich, Hall 1, Stand A07

With its patented innovation, the premium French brand Neodio is getting even closer to reaching the essence of a recording. The first product to integrate Zero Vibration technology, the ORIGINE B1 anti-vibration support surpasses all other products of this kind currently on the market. It is available in series with the new CD player and integrated amplifier in the ORIGINE range.

WHY IS THE ZERO VIBRATION TECHNOLOGY REVOLUTIONARY?

Stéphane Even, the founder of Neodio, studied high fidelity anomalies for 14 years: the importance of cables, the influence of mountings, changes in sound quality that seemed to depend on the day... Since 2001, he has realized that these anomalies were caused by a physical phenomenon creating interference. His research helped him to understand the nature of this interference and how it was able to spread within Hi-Fi systems. **A remarkable new technology was born. It acts wherever there are vibrations and electricity. Working like a «black hole», it absorbs and dissipates the interference. The result is a significant increase in the sound quality of any Hi-Fi or Home Theater system, from the most modest to the most sophisticated.**

THE ORIGINE B1 ANTI-VIBRATION SUPPORT

Essential for any hifi system, ORIGINE B1 provides:

- A «broadband» effect that **enhances timbre over the entire spectrum without a marked tonal signature**
- A more faithful dynamic rendering of the sound, characterized by a better definition of micro-information and an absence of saturation on loud sounds
- A sound stage that extends substantially beyond the framework of the speakers, giving **the impression that the musicians are in the room.**

A universal solution

It improves sound quality by being placed under or on any element of a Hi-Fi or Home Cinema system: **speakers, CD or Blu-Ray players, vinyl turntables, amplifiers; also mains powerstrips and computers.** As such, it is universal and can function in numerous configurations. The best configuration is to install equipment on three ORIGINE B1 supports. This will ensure that almost all of the parasitic vibrations are absorbed by the supports. For example, compact speakers on ORIGINE B1 offer much higher energy and definition, as if their housings were heavier and had more damping. In the case of a limited number of supports, the ORIGINE B1 can also be installed head down on top of equipment in order to dissipate vibrations in the cabinet or chassis from above.

Origine B1 has been unanimously praised in the specialized french press:



Photo : François Passerini



CLASSICA

« Stunning! »

DIAPASON
L'UNION DU CLARINETTE, LA PARRAIN DE L'EXCELLENCE

« A remarkable effect »

haute fidélité

« Essential »

TUMETRE

« Essential »

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THE ORIGINE S2 CD PLAYER, NEODIO'S NEW FLAGSHIP MODEL

This CD player offers all the features of the ORIGINE S1 player, which earned it recognition as **one of the best digital sources in the world** (Roy Grégory, The Audiobeat). It retains the DVD-ROM mechanism, modified by Neodio, and a constrained layer chassis, with a weight of 25kg. The changes consist of the integration of **a new zero quartz conversion clock, and three ORIGINE B1 under the chassis.**



Photo : François Passerini



Photos : Félix et Associés

THE ORIGINE A2 INTEGRATED AMPLIFIER: THE MOST RECENT ADDITION TO THE ORIGINE RANGE

This amplifier uses **new amplification architecture**, designed entirely by Stéphane Even. There are two stages: a very low distortion voltage amplification stage using an operational video amplifier, and a current buffer stage using 8 MOS 16 amp transistors, all supplied by a 1 kW switching power supply. The printed circuit board structure is very compact and uses **multilayer circuits**. Another significant element: **there is no negative feedback between the input and the output**. Faithful to the concept of the ORIGINE range, the ORIGINE A2 integrated amplifier has a constrained layer chassis and weighs 25 Kg. **It is equipped with three ORIGINE B1 in series**. This amplifier **can be used in a Home Theater system**, by one of its 4 inputs (2 XLR and 2 RCA) becoming a power amplifier.

Performance:

- The power is 2x150W/8 ohms with very low distortion levels.
- The bandwidth before filtering is higher than 2 MHz.
- The noise level is very low.

Download high definitions photos: www.neodio.fr/espace-presse

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« TECHNOLOGY IS ONLY A MEANS, NOT AN END IN ITSELF »
STÉPHANE EVEN, FOUNDER AND DIRECTOR OF NEODIO

Zero Vibration technology

BACKGROUND

«Parasite» sound is present in most Hi-Fi and Home Theater systems, and can be described as follows:

- A sensation of dissonance with acoustic instruments, with unpleasant resonances on certain notes. Concert instruments tend not to sound good, more like student instruments, with no harmonic richness.
- A marked tonal imbalance with either bland sound quality that favours high notes, or muffled or thick sound with the emphasis on low notes. Each element of the system, including the cables, seems to have its own sound signature.
- A sensation of loss of the concert hall ambience between notes, as if the acoustics are too damped. This is due to the loss of the micro-signals that are so important to the ear. The ends of notes are shortened and not the same as when one hears live sound.
- A sensation of hardness, stress and confusion on loud notes, reflecting an inability to transcribe the dynamic differences.
- A very flat sound stage, with no height or depth, far from the 3D effect of which stereo sound is capable when it is coupled with good sound recordings.



CONSTANT QUESTIONING

On some days, the sound produced by a Hi-Fi system offers moments of pure grace: our favourite artists are with us in the room, with all the atmosphere of a live concert. In such instances, the realism seems absolute. However, more often than not, there is something slightly artificial about Hi-Fi sound, even from a top-of-the-range system, that prevents us from really «connecting» to the music in question.

For many years, Stéphane Even was confronted with **incomprehensible phenomena that seemed to contradict traditional approaches to the technology**. Some observations seemed to have no rational explanation:

- Why do cables have a sound signature?
- Why is there no correlation between amplifiers' measured performances and their sound quality?
- Why does a Hi-Fi system not sound the same every day or at all times of the day?
- Why do the best performing Hi-Fi systems need to operate for hours before they sound good?

Until now, there has been very little technical explanation for these phenomena.

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CHALLENGING THE USUAL TECHNICAL SOLUTIONS

This approach enabled Neodio to take several steps towards real high fidelity. For the past fourteen years, Stéphane Even's research has focused on **understanding the nature of the physical phenomena that really impact sound quality**. He methodically studied and tested various technical areas. This research resulted in some **innovative solutions**, such as:

- Error corrections systems to combat thermal effects in amplifiers
- A zero quartz clock for analogue to digital conversion
- Mechanical damping solutions for chassis and cables
- A mains powerstrip with a non-electric filter.

2015: DISCOVERY

After all these years devoted to the study of these anomalies, Neodio is now able to provide explanations and solutions. **The deterioration in sound quality is due to specific vibration phenomena, outside the audio band, that propagate through solids**, in cables, chassis and housings. **Ultimately, they interact in the air with the sound that is being reproduced**. This parasitic emission is responsible for a significant loss of definition.

The more one absorbs these parasitic effects in each element of the system, the better the resulting sound. The initial simplicity of **this vibration phenomenon conceals a complexity in its propagation that we have managed to analyse and treat**.



Photo : François Passerini

Stéphane Even

As an R&D Manager at Schneider Electric and a music lover, Stéphane Even could not understand why he only rarely experienced moments of «pure grace» with his Hi-Fi system, despite the fact that he had good quality CDs and equipment. None of the technical explanations provided by market experts satisfied him. Ultimately, his dissatisfaction as a purchaser of high quality sound reproduction led him to leave his job and become a Hi-Fi electronics manufacturer. He founded NEODIO in 2001 with the aim of pushing High Fidelity sound quality to its limits.

NEODIO, an innovative approach to HiFi

By challenging the usual solutions, NEODIO has made several steps towards real high fidelity. Thanks to the intensive research carried out since its creation, **NEODIO has built unique expertise in five areas: amplifiers, CD players, digital - analogue converters (DACs), mountings and cables**. Today, music lovers have come to appreciate the brand's astoundingly natural sound.

All of these products are designed and manufactured in France to the highest quality criteria, to provide years of use in the service of music. They regularly receive awards in the trade press.

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