## MEET THE TWINS

SAME LOOK...

...DIFFERENT CHARACTER



ADAMANTIS

Passive three-way, three-driver, floor standing loudspeaker with a front reflex port.

### ENSIUM

Bass-assisted three-way, three-driver, floor standing loudspeaker with a front reflex port. 500W on-board amplifier and ARPEC™ system for optimal room and placement behavior, fully in the analog domain.

#### TECHNOLOGY: NANOTECH CABINETS

Diluvite is a proprietary Nanotech material developed by Aequo Audio. It pushes the boundaries of modern cabinet design far beyond current limitations. This unique Nanotech metal matrix composite is cast into very complex cabinets, creating a new paradigm in loudspeaker cabinet technology.

#### roperties:

- Turns vibration into heat: minimizing unwanted resonances.
- 2 times stiffer than aluminum and 10 times better damping.
- Same high damping from 1 Hz to 100.000 Hz.
- Castable: making very complex design shapes possible.
- The absence of unwanted resonances have an incredible impact on the emotional message delivered.

#### TECHNOLOGY: ARPEC™ SYSTEM

Ensium is equipped with a unique analog room adjustment system. The incoming full-range signal is utilized by the analogue ARPEC™ system to add current/amperes (up to 500W) to the input voltage for low/bass frequencies, allowing optimization settings for room-size and placement. Without DSP or any digital component in the signal-line, ARPEC maintains perfect time and phase alignment and improves binaural time alignment in any room.

### TECHNOLOGY: EHDL™-SYSTEM

Fast, open, high-resolution, non-fatiguing tweeter system that minimizes reflections on floor and ceiling, creates a wide sweet spot and projects a solid, walk-about holographic soundstage.

#### PERFORMANCE: EMOTIONAL IMPACT

- The absence of unwanted cabinet resonances have an incredible impact on the emotional message delivered.
- Powerful driver motors for super high speed and resolution across the entire frequency range.
- Low distortion drivers with high-damping materials for superb realism without listening fatigue.
- ARPEC-system with next-level bass control, resulting in impactful low frequency expression.

#### PERFORMANCE: SOUNDSTAGE & IMAGING

- Low order crossover filter topology
- Perfect phase alignment of all drivers across the entire frequency spectrum
- Driver positioning in cabinet for perfect phase alignment
- Minimized cabinet diffraction resulting in complete disappearance of the speakers.

## PERFORMANCE: OPTIMAL ROOM & SYSTEM INTEGRATION

- No rear firing bass ports: eliminating the link between rearwall positioning and bass performance, making close-to-wall placement possible.
- Minimized reflections on floor and ceiling with EHDL.
- Adjustable tilt to optimize presence at any listening distance.
- High sensitivity ensuring easy amplifier matching, especially on assisted bass and full active speakers.

# Æquo Audio

Uncompromised Realism

### **DESIGN: FORM FOLLOWS FUNCTION**

- The Diluvite Nanotech materials brought the freedom of 3D shaping to new heights. It enabled a truly 'form follows function' design method, starting the design with an optimal acoustic shape and perfect driver time alignment, working back without making compromises. The result is a very complex organic shape, with ultra-low baffle diffraction and acoustic/phase/distortion/dynamic linearity levels like never seen before.
- Thanks to the next-level properties of Diluvite, a relatively thin wall thickness can be implemented, resulting in relatively compact speakers given their internal volume, benefiting many acoustic properties.
- Although unintended, the design turned out to be very friendly to all decors, from contemporary to traditional and everything in between.

#### SPECS

SIZE | 116 x 52 x 42 cm (h x d x w) WEIGHT | Approx. 100 kg per speaker

ADAMANTIS ENSITIVITY | 88dB at 4-ohm nominal ENSIUM SENSITIVITY | 90dB at 8-ohms nominal

ADAMANTIS FREQUENCY RANGE | 20 Hz - 45 kHz (-3 dB

in-room response)  $\textbf{ENSIUM FREQUENCY RANGE} \mid 16~\text{Hz} - 45~\text{kHz} \; (\text{-3 dB})$ 

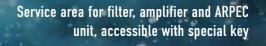
in-room response)
ADAMANTIS IMPEDANCE | 4 ohms nominal (minimum

impedance: 3 ohms)

ENSIUM IMPEDANCE | 8 ohms nominal (minimum impedance: 6 ohms)

ADAMANTIS DYNAMIC OUTPUT | Full range linearity-maintained stereo output SPL >116 dB @500W (250W per speaker).

ENSIUM DYNAMIC OUTPUT | Max full range linear SPL depending ARPEC settings typically >116 dB



shaped midrange

Optimal acoustic

Compressed wool felt and minimal baffle diffraction for total disappearance

driver positioning

Front firing

bass reflex

Perfect time aligned

#### CONTACT

gloss.

available.

General: info@aequoaudio.com www.aequoaudio.com

**COLORS & FINISHES** 

There are four selected col-

ors included in the standard

retail price. Next to that,

we offer a selection of two

wood types for an additional

charge that are available in

both natural finish and high

Bespoke wood types and

special lacquers are also

Sales & Marketing: p.rassin@aequoaudio.com +316 1466 1303 Large internal volume relative to total speaker size

bass port tuned on 20 Hz for deep subsonic bass

Organic shaped

Turns vibration into heat from 1

to 100kHz

Tilt adjustable to listening distance