ACOUSTIC ENERGY
for the love of music

ADVANCED INFORMATION
AE500²



The AE500² is the next generation of Acoustic Energy's acclaimed 500 Series, bringing key technologies and engineering insights developed during the flagship Corinium project into a more accessible loudspeaker range. Rather than focusing on a single breakthrough, the AE500² embodies the philosophy that a series of carefully considered improvements across every aspect of the design can combine to deliver a significant overall advance in performance.

At its core is a new 29mm soft dome tweeter, derived directly from the Corinium development programme, offering greater refinement, detail and naturalness. The bass/mid driver has also been extensively redesigned, featuring a new shallow-profile carbon fibre cone and an all-new motor system with an ultra-linear inductance profile, resulting in improved transparency, reduced coloration and a more open, expressive midrange.

The crossover network has been completely reworked with a focus on low group delay, ensuring the drivers integrate more coherently through the crossover region. This improves timing, phase alignment and overall musical realism, allowing voices and instruments to be reproduced with greater accuracy and natural flow.

Housing these developments is an evolved version of Acoustic Energy's proven RSC cabinet construction, now featuring a new faceted trapezoidal cabinet shape designed to better disperse internal reflections and further reduce cabinet-induced coloration. The cabinet, drive units and crossover have all been engineered as a unified system, with each element contributing to the loudspeaker's overall performance.

Aesthetic refinements include a more elegant cabinet design, upgraded aluminium feet and black spikes, premium silicone trims and a screen-printed logo, giving the range a more contemporary and sophisticated appearance.

The result is a loudspeaker that retains the dynamics, balance and musical engagement that established the original 500 Series, while delivering notable gains in openness, clarity, coherence and naturalness. The AE500² represents Acoustic Energy's latest loudspeaker design philosophy, combining flagship-derived technology with the value and accessibility that have always defined the 500 Series.

Specifications

- **Drive Unit:** 125mm, carbon fibre cone
- **Tweeter:** 29mm soft dome
- **Frequency Range:** 45Hz - 26kHz (+/- 6dB)
- **Sensitivity:** 87dB
- **Power Handling:** 120w
- **Crossover Frequency:** 3.2kHz
- **Impedance:** 8ohms
- **Design:** 2 way
- **Grilles:** Slim, cloth magnetic fit
- **Dimensions (mm):** 310 x 185 x 270 (HxWxD)
- **Weight:** 7.5kg (each)
- **Finishes:** Piano Gloss White, Piano Gloss Black and American Walnut wood veneer

All specifications and images are correct at the time of going to press.
Acoustic Energy withhold the right to change specifications without notice.