



Aletheia III

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In the pursuit of perfection (where cost is not the primary consideration) Seawave Acoustic produced the Reference and Plotinus speakers.

To broaden the appeal of our brand, making it more accessible to all, we set about applying the design principles of these iconic speakers to a more compact and affordable concept. The result is the Aletheia.

Formed through our AC4C alloy unicasting process, the construction of Aletheia's cabinet is a triumph in resonance control, creating a perfect structure in which to affix its drivers. This has resulted in eerily quiet backgrounds with phenomenal bass control and quality, notwithstanding the speaker's size.

We also packed the Aletheia with our unique component technology – our nickel core inductors, special resistors, Non-Soldering Technology (NST), and High Dampening Metal Technology (HDMT) – to exact from our Uni-Cast cabinet the highest possible degree of performance.

The result is a stand-mounted speaker of great transparency, capable of expressing for those with limited space the subtlety of its older, more expensive siblings.

AC4C Aluminium Mould

The distinctive enclosure of the Aletheia is manufactured using a Uni-Cast mould. This complex, curved shape is not just a thing of beauty, but also plays an integral role in the acoustic performance. The AC4C alloy used in the construction completely eliminates standing waves and resonance.

The cabinet also lends itself well to a perfect finish and the front plinth can be anodised with a range of striking colours making the Aletheia as great to look at as it is to listen to.

Technical Specifications

Design	2 Way 2 Unit Stand-mount
Driver units	Tweeter: Beryllium 28mm Woofer: Eton Hexacone 170mm
Frequency response	38Hz – 22kHz
Crossover	2kHz
Sensitivity	88 dB / w / m
Impedance	8 Ohm
Amplifier requirements	100 ~ 200 W
Weight	28kg
Dimensions (WHD)	300 x 465 x 375 mm
Colours (Body/Front)	Black & Silver / Black & Red / Cream Pearl & Satin Green / Poseidon Blue & Marine Beach



Bo San CEO of Seawave Acoustic

Non-Soldering Technology (NST)

Every electrical connection point within the Aletheia is made using our proprietary non-solder methodology (NST). Solder is lead-based and therefore impedes an electrical signal, causing a drop in the voltage which negatively affects the sound. And so, we twist and press together the connections using our specially formulated method, sealing them to create a long-lasting, high performance electrical pathway. The result: an increase in the transparency of the loudspeaker and an enhanced sense of dynamic expression. Harmonic integrity, too, is also improved. Seawave Acoustic's NST demonstrates the lengths we go to minimise any loss in performance of the original electrical signal that ultimately defines the speaker's acoustic output.

Specially Produced Resistors

While developing the Aletheia, which uses our NST method to eliminate lead solder, we realised that our third-party components also relied upon lead solder. To ensure the highest quality signal path we resolved to produce our own resistor thus eliminating altogether the need for solder. Using silver adhesive to bind the connections, we have managed to create a resistor that matches the performance level required by our designs.

Nickel Core Inductors

Normal Air Coil inductors can be an obstacle in the signal path because of the length of the conductor used to produce the values required for crossovers. Seeing these limitations, Seawave has developed hand-made inductors from specially-constructed nickel cores and 12AWG 6N copper coil foil, insulated with DuPont PTFE film. The result is a much shorter inductor length and a dramatic decrease in resistive value. This produces a level of bass performance never before heard in a speaker as compact as the Aletheia.



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Precision

