

neatⁿ acoustics

ULTIMATUM XLS Loudspeaker

The Ultimatum XLS is a stand mounting loudspeaker of compact proportions, delivering the bass weight, scale and dynamics of a significantly sized floorstander. The mid/bass drivers in the XLS are mounted isobarically which when aligned correctly, as in the XLS, gives deep clean bass delivery. Combining this authority with the superb sounding Sonomex domed XL high-frequency unit is the art of the Ultimatum.

The XLS cabinet is constructed from slow-growing birch plywood, chosen as it is consistent and has the best resonance behaviour. The front baffle is from precision routed controlled density fibreboard coupled to the front of the cabinet by means of a polyethylene membrane. This makes an extremely inert platform for the mid/bass and high frequency drivers.

The main Mid/Bass driver is a special version of the Neat 168mm driver with an aluminium phase plug to aid dispersion and reduce dynamic compression.



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Despite its modest proportions, the XLS delivers a complete full-range performance which eclipses many much larger designs.

A sealed sub-volume contains the main HF drive unit a modified SEAS XL SONOMEX domed XL unit with additional damping and support.



A separate sub-volume contains two EMIT type super tweeter drive units. Those used in the Ultimatum series extend to 40kHz fire upwards and operate quietly. Their output, though inaudible to the human ear, affects the content within the audible frequency range and lends an open, airy quality to the presentation.

The crossover is a minimalist four-element type (plus damping & attenuating resistors) employing precise-tolerance, low-loss air-cored inductors and high tolerance polypropylene film & foil capacitors. The speaker exploits predominantly first-order crossover slopes and mechanical roll-offs for a natural, uninhibited performance.

Specifications

HF Unit 26mm SONOMEX Domed XL

Super HF Units 2* EMIT 25mm planar/ribbon

Bass / Midrange Driver 2* 168mm NEAT Bass/Mid Unit with Aluminium Phase Plug

Dimensions (hwd): 37x22x38cm.

Enclosure type: Multi-chamber, multi-driver array, incorporating isobaric internal cavity, plus upward firing super-tweeters.

Sensitivity: 88dB/1 watt.

Recommended amplifier power: 25 – 200w.

Impedance: 6 Ω average. Minimum 4 Ω .

Weight: 15Kg. *Shipping weight: 35Kg. per pair.*

"The Ultimatum is a labour of love and the end result of painstaking development and refinement. Such quality doesn't come cheap, but Neat's Ultimatum deserves recognition as amongst the very best there is, irrespective of price."

Standard finishes: figured birch, black ash, natural ash, oak, cherry, walnut, rosenut.

Premium high-gloss finishes: piano black, piano white, velvet cloud, red velvet cloud

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