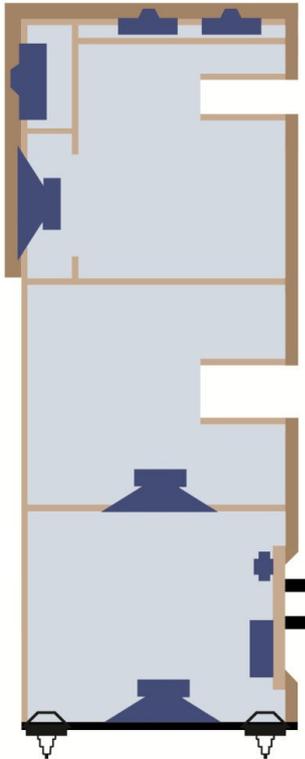


neatⁿ acoustics

ultimatum XL6

The ULTIMATUM XL6 is a multi-chamber, multi-facet loudspeaker system incorporating six drive units per enclosure. **The visible drive units are mounted on sub-baffles, attached to the main enclosure via a polyethylene membrane.**



The ULTIMATUM XL6 loudspeaker is floorstanding design which adheres to all the principles that have marked out the ULTIMATUM project and given it such enduring success. The ultra-rigid birch-plywood enclosure, innovative baffle-decoupling technology, 'isobaric' bass loading and use of twin EMIT ribbon-type super-tweeters are employed here to deliver the ULTIMATUM promise of a lifetime of musical enjoyment.

The enclosure comprises five discrete internal cavities each optimised for purpose. The Bass and Mid/Bass volumes are large to suit the tuning while the HF cabinet is small to increase rigidity and to stop back pressure from the Mid Bass driver adversely affecting the rear chamber of the tweeter. The two EMIT supertweeters are similarly isolated.

The main structure is damped 18mm Birch Plywood, whilst the drive unit baffles are constructed from a 45mm thick 'sandwich' of Birch Plywood, Polyethylene and MDF. This provides a rigid non-resonant platform, which is ideal for optimal performance of the drive units.

The two hidden isobarically loaded Neat 168mm main drivers are flux optimised for purpose and use dustcaps for rigidity.

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. Its enclosure is loaded by a low Q reflex tuning.

A sealed sub-cavity contains the main HF drive unit. A separate sub-cavity contains two EMIT type super-tweeter drive units.

Two bass-only drive units are located at the bottom of the cabinet, in isobaric configuration, with one unit on the bottom panel facing downward. Acting as a passive subwoofer, these units are linked together and both receive the same signal, in phase. There is a sealed cavity in between the two units, and the main enclosure is reflex-tuned.

The HF Unit is a modified SEAS XL SONOMEX domed XL unit with additional damping and support.

The crossover is a minimalist 4 element type (plus damping & attenuating resistors) employing precise-tolerance, low-loss air-cored inductors and newly-developed 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 Domed XL with SONOMEX surround

Super HF Units 2* EMIT 25mm planar/ribbon

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

Bass Units 2* 168mm NEAT Bass Units

Dimensions (hwd): 100x22x37cm.

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

Sensitivity: 87db/1 watt.

Recommended amplifier power: 25 – 200 watts.

Impedance: 8 ohms average. Minimum 5 ohms.

Weight: 34Kg. each. *Shipping weight: 85Kg. pair*

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

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

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