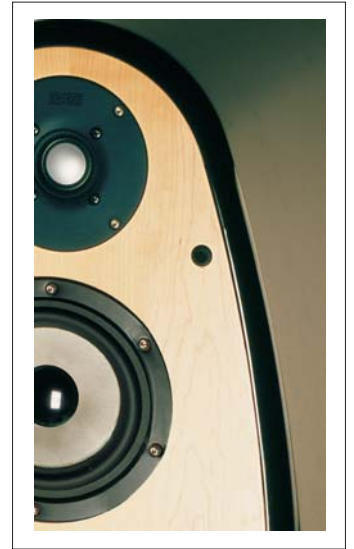


Cygnis



by
REVOLVER

Recapture the moment



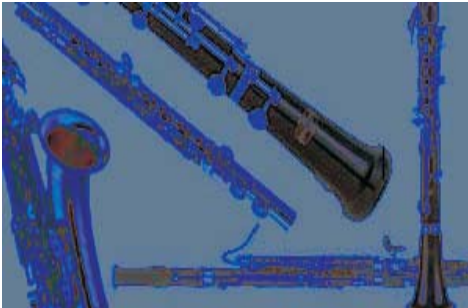
Cygnis

Good music has a beauty that challenges the intellect and enriches the soul. Recreating the power, subtlety, emotion and colour of a live performance requires an exceptional loudspeaker system.

Cygnis is such a loudspeaker

Each aspect of the design has been chosen to preserve those timbral and rhythmic elements of music that convey the composer's intent and the virtuosity of the performance. Although its form is derived from its function **Cygnis** is a graceful elegant design with classic flowing lines.

Its broad compatibility allows it to be incorporated within a variety of systems and environments where it will faithfully recreate musical performances exactly as they were recorded.





The melody and associated harmonies are amongst the key elements of music. Whether these are carried by voices or instruments their rendition requires accurate, uncoloured drivers working in inert enclosures.

Cygnis uses a dedicated 130mm midrange drive unit featuring a woven glass fibre diaphragm and powerful double magnet mounted on a cast alloy chassis. This operates within a sealed, precision moulded, laminated composite housing which provides optimal loading throughout this critical range without contributing its own acoustic signature.

The clarity and realism this affords has to be heard to be believed.

High frequencies are handled by a custom designed 26mm aluminium dome tweeter offering extended response to above 30KHz.

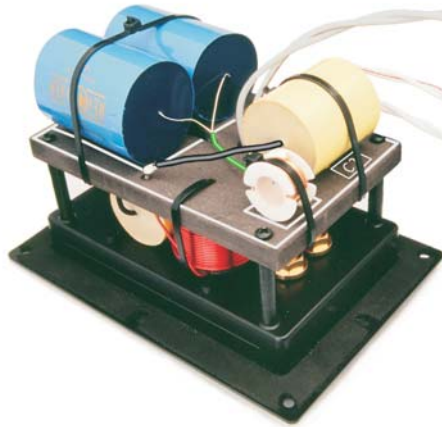




A separate, fully braced enclosure houses the substantial 254mm bass driver which also features a cast alloy vented chassis and double magnet. The diaphragm movement is controlled by bass reflex loading with a low noise vent exiting on all four sides of the cabinet. The geometry of this cabinet and the precise location of the bass driver within it takes into account the additional loading provided by the floor and guarantees extremely accurate low frequency performance in any room. Few other loudspeakers are correctly configured in this way.

Cygnis





Every **Cygnis** crossover is hand built using point to point wiring rather than a printed circuit board. The filter capacitors are custom designed, polypropylene dielectric types giving more precise high frequency performance. All inductors are carefully positioned to avoid cross coupling between them. The midrange and high frequency inductors are air cored for lower distortion while the low frequency inductor is wound on a iron dust core to minimise the coil's winding resistance and to give the amplifier greater control of the bass driver.

The complete crossover module is acoustically isolated in its own enclosure to reduce any distortion to the signal from the vibration of the components.

The internal wiring is silver plated, oxygen free copper (OFC) cable from the Chord Company.

The input terminals are a heavy duty, nickel plated, brass design, combining durability with high conductivity and which allow for clamping 4mm plugs, spades or bare wire connections.



The stability of the **Cygnis** loudspeaker is realised using adjustable spiked feet made from nickel plated hardened steel, fitted to machined and polished aircraft hard grade aluminium cones.



Technical Specifications

Cygnis

FREQUENCY RESPONSE	30Hz - 30KHz +/- 6dB (45Hz - 22KHz +/- 3dB)
SENSITIVITY	91dB/W
NOMINAL IMPEDANCE	8 Ohm (minimum 4.3 Ohms)
CROSSOVER	Full 3 way crossover, acoustically isolated in dedicated enclosure. Hand built crossover utilising air cored inductors, custom polypropylene capacitors and silver plated OFC wiring.
TWEETER	26mm anodised aluminium dome with rear cavity damping and shielded double magnet.
MIDRANGE	Drive unit - 130mm woven glass fibre diaphragm with cast aluminium chassis and shielded double magnet. 15 litre enclosure using advanced composite material with Kapex foam core, with a high gloss black metallic finish. Veneered baffle with colour and grain matched to bass enclosure. Asymmetrically shaped to reduce standing waves. Closed box infinite baffle loading.
BASS	Drive unit - 254mm doped compressed paper diaphragm with cast aluminium vented chassis and double magnet. Extensively braced, acoustically isolated 50 litre veneered enclosure. Reflex loading via low noise distributed port. 2 π driver position for accurate LF 'in room' performance.
AMPLIFIER POWER	15 Watts - 300 Watts.
DIMENSIONS (mm)	Height 1010 x Width 310 x Depth 400
WEIGHT (each)	35 kgs

FINISH OPTIONS



Maple



Dark Cherry





Designed and made in the United Kingdom

Cygnis



The Acoustic PartnershipLLP
Unit 4, Saltash Business Park
Saltash, Cornwall, PL12 6LX
United Kingdom

Phone: +44 (0)87 0047 0047
Fax: +44 (0)87 0047 0048
e-mail: info@revolveraudio.co.uk

Website: www.revolveraudio.co.uk

