

# Gryphon Mojo

**For proof of the veracity of that statement, one need look no further than the Gryphon Mojo loudspeaker system. Based on lessons learned and technologies developed during the evolution of Gryphon's groundbreaking reference systems, the monumental Poseidon, highly acclaimed Trident and innovative Atlantis, Mojo brings Gryphon loudspeaker excellence - with perfect phase at all frequencies at all times - to a new level of compact elegance, specifically engineered for optimal performance in rooms of more moderate proportions.**

For contemporary styling worthy of the finest domestic interiors, Gryphon Mojo is available in a broad range of distinctive colour options. Standard finish is a revolutionary new soft feel urethane paint with an inviting tactile sensation developed for Mercedes Benz luxury car dashboards and other interior surfaces. Custom finishes in semi-gloss two-pack automotive paint with a very hard surface are available to order.

## Mojo Drivers

Unfairly, the tweeter is almost always promoted as the star of the show. Often, too much focus is placed on exotic tweeter technologies that may be outstanding in their own right, but like so many stars, shine too brightly, failing to integrate well with the rest of the system. At Gryphon, we take an "all-star approach" when assembling a team of drivers. To qualify, each driver must be able and willing to make a significant contribution to a complete, seamless whole with consistent excellence across the audio band, not only in terms of frequency response, but also in the crucial areas of timbre, tonality, as well as sheer musicality.

The high-frequency range in the Gryphon Mojo is handled by an extraordinary Air Motion Transformer drive unit that moves air by driving an extremely low-mass folded sheet in a semi-perpendicular motion via a powerful magnetic field.

Because of its large surface area, the pleated structure moves a large air volume with minimal diaphragm motion, for a highly desira-

ble point source sonic presentation. Eliminating fundamental issues of mass, inertia and internal resonance, the Gryphon Mojo high frequency driver offers lightning fast transients, combining flat frequency response well beyond 38 kHz with extremely low distortion and a total absence of compression.

While such technologically advanced drivers are almost never incorporated into comparably sized loudspeakers, Gryphon selected only the best to deliver Mojo magic.

To live up to the high standards set by the Air Motion Transformer tweeter, Mojo employs a vertical symmetrical driver array with identical heavily modified Danish 5" bass/midrange units above and below the tweeter. Pulp paper cones, chosen for excellent linearity and controlled behaviour well beyond the driver's designated operating range, eliminate any need for invasive corrective measures to reduce the negative effects of cone break-up.

Dual 6" drivers provide larger surface area and high speed with minimal lag and overhang and allow a narrower front to reduce baffle diffraction. Built on die-cast baskets, the rigid, yet open, structure prevents built-up compression behind the cone.

These qualities and characteristics are essential to the Duelund/Gryphon philosophy of designing and building drivers correctly from the start, rather than using intrinsically flawed off-the-shelf drivers and attempting to compensate for their shortcomings with an overly complicated crossover.

## Crossover

The Mojo crossover is a showcase of carefully chosen and purpose-built components, including extreme graphite resistors from Duelund Coherent Audio, hand-made Danish capacitors from legendary Jensen Capacitors and excellent low-memory, precision capacitors from Germany. All parts are hard-wired with special Teflon hard-insulated silver solder. Entirely hand-built Duelund resistors and Jensen air-core paper/oil inductors are components rarely employed in commercial loudspeaker

designs because of their prohibitive cost. It is even rarer to find this level of parts quality specified for a stand-mounted monitor of Mojo's dimensions.

Exploiting the inherent roll-off of the ribbon tweeter, a fourth order filter for the tweeter and the bass units ensures linear phase at all frequencies.

## Enclosures

In order to achieve the uncompromising design goal of perfect phase at all time at all frequencies, the Mojo enclosure incorporates a concave curved front to form a direct angled, time-aligned system with identical distance from the acoustic centre of each driver to the listener.

Typically, speakers claiming time alignment employ a simple sloped front that is far less complicated and costly to build and assemble. Mojo's concave baffle is the only way to achieve true time alignment, for exceptional levels of transparency and musical realism. The curved baffle also reduces reflections from floor and ceiling, for enhanced clarity.

## Taking a Stand

The Mojo can be supplied with an optional stand, including silicone pads for firm attachment of the speaker to the base and spikes and coasters for optimal coupling to the floor, for an effective evacuation path for vibration. For uncompromising support, the column can be filled with sand to add mass for even more effective damping.



## HiEnd HiFi 2010, Taiwan

### The Magic Speakers

"Honestly, when I wrote the article I was still wondering how Gryphon Mojo managed to give me so many surprises in that small room. In terms of the satisfaction I got from that day's listening experience, it surpassed what I had from listening to more expensive speakers in larger spaces.

While I was amazed by the extraordinary performance of Mojo, I had to admit it also resulted in the perfect coordination of the equipment and space. So, was this Mojo's magic? Should Gryphon Mojo be able to produce the same super high quality sound in most small spaces as it did at the Shengfengqun Stereo Store? If so, then I think it's worth the price."

## The audiophile web magazine

### Enjoythemusic.com. Feb. 2011

#### Gryphon Atilla, Scorpio and Mojo:

"The Gryphon Audio Design system, like a race-winning Formula 1, has won over my heart because all the parts are finely tuned and come together to allow audiophile and music lovers alike to achieve musical excellence"



## Sixmoons.com. April 2011

#### Gryphon Mojo:

"Does that make Gryphon a top speaker house by common triangulation? On the strength of its smallest speaker I'd have to say 'yes sir!'..."

## Audio Art, Taiwan. January 2011

### "Best Performing Speaker" Award

"Actually, if small speakers could do such a good job, there seemed no need for big speakers at all" and "... with my eyes closed, I would never believe that it was the work of small speakers such as Mojo".



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Editor-in-Chief Jack Liu,  
Audio Art, Taiwan. Jan. 2011