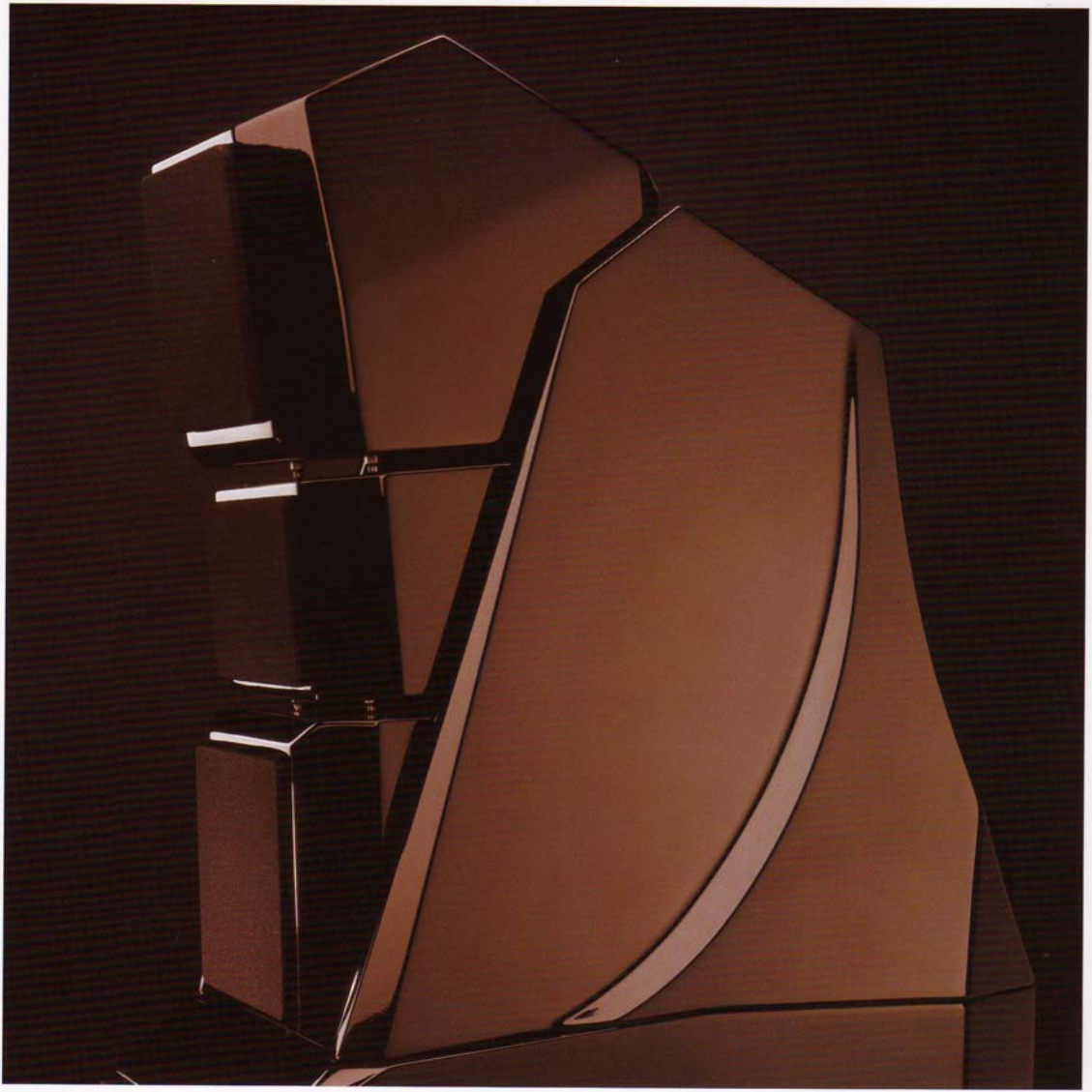


Alexandria<sup>®</sup>  
X-2

---





Music is feeling, then, not sound...  
-Wallace Stevens



## The Quality of the Well-Made Thing

Before high-end audio became an industry, a group of resolute individuals found themselves linked by a common quest: to erase the boundary between a live musical event and that event electro-mechanically reproduced. They knew what was commonly regarded as "hi-fi" lacked the ability to reproduce the essential cues of live music which provide direct access to its emotional power. To achieve the experience of a live musical event in a home environment was a daunting goal. Nevertheless, most of those early designers were driven by a pure, some might say fanatical, desire to push art and science as far as they could toward that very ideal.



The panoply of speaker wire found in the X-2. Each cable is custom-braided and sonically optimized for the driver it connects.

The new century finds a proliferous high-end industry collectively closer to its goal and much less innocent. It has become an industry where savvy marketing often substitutes for passion and perfectionism. There are many loudspeaker makers who market stratospherically-priced products which use the same materials, construction approaches, and parts as in their inexpensive offerings. Such "marquee" speakers can retail for close to ten times their cost of manufacture. At that point, words like "signature," "statement," and "state-of-the-art" become simply slogans, bereft of meaning.

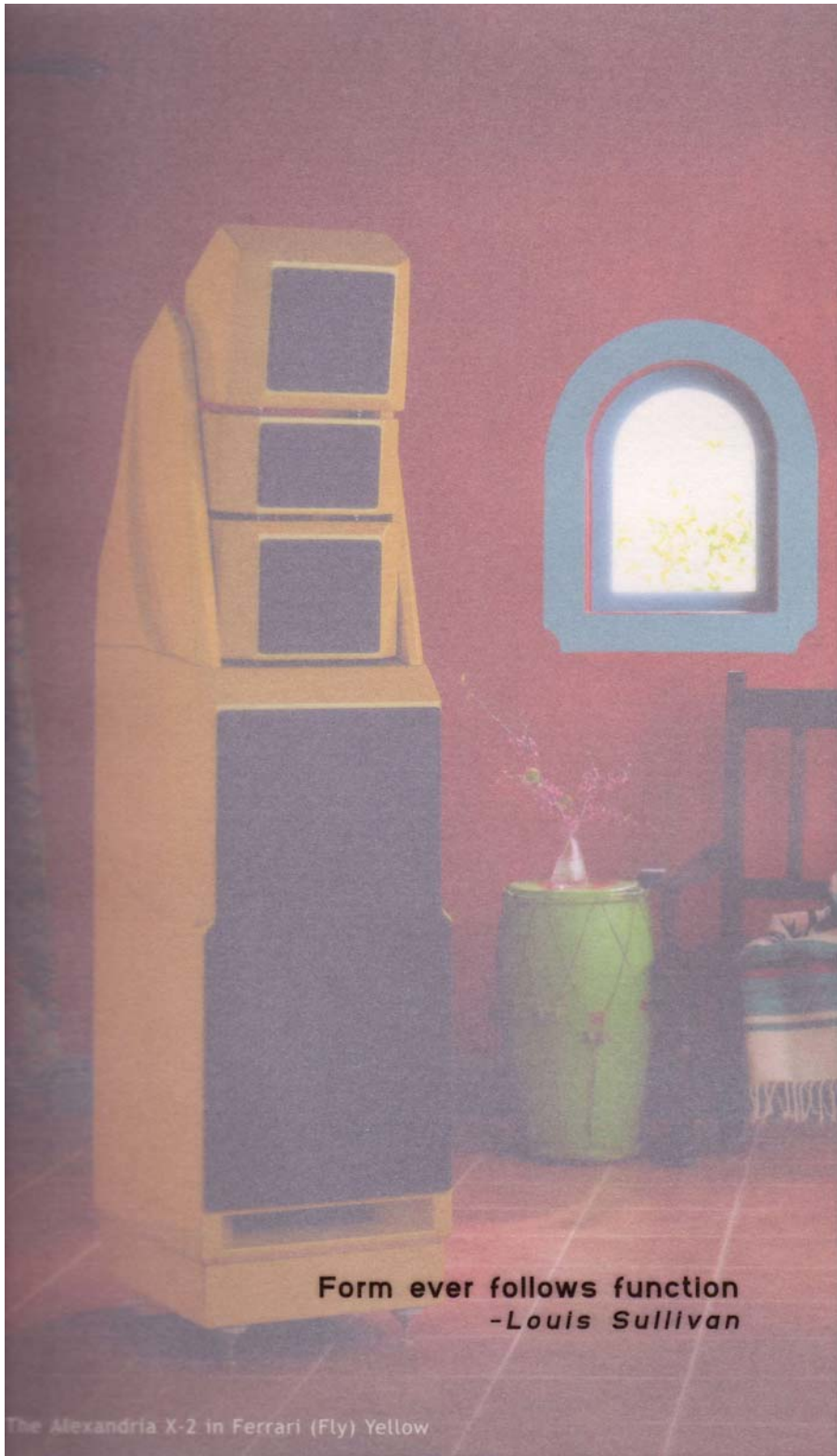
Wilson Audio rejects this cynical approach to building and selling our products. We believe even a high-priced loudspeaker must offer true value to its buyer. We believe success has less to do with image than it has to do with the arduous task of materials research, crossover design, driver construction and time domain accuracy. We believe any well-made product - be it chair, watch, automobile, or loudspeaker - must reflect the ardor and intelligence of its builder. It will inevitably bear traces of the spirit expended in its maker's reach toward perfection.

As part of that reach, we've spent the last thirty years quietly amassing a wealth of proprietary knowledge. The past decade has been an exceptionally fertile one, with discoveries leading to breakthrough products like MAXX<sup>®</sup>, Sophia<sup>™</sup> and WATT/Puppy<sup>®</sup> System 7. We knew the time was ripe to sum up everything we've learned in one bold new speaker. As the wisdom of the ancient world found repository in the great library at Alexandria, so everything Wilson Audio knows about loudspeaker design is now contained in our new flagship product, the Alexandria<sup>™</sup> X-2.



The X-2's rear-firing supertweeter is custom-designed and hand-built. Few other manufacturers use a driver this ambitious even as their main tweeter.





**Form ever follows function  
-Louis Sullivan**

The Alexandria X-2 in Ferrari (Fly) Yellow

## Form, Function, & Fanaticism

One of the great design principles of the past century holds that the greater the harmony between an object's function and the form it takes, the greater its inherent beauty. For example, the deep lustre of the automotive paint finish on Wilson products wouldn't be possible without the rigidity of the underlying cabinet material. Most manufacturers use MDF (Medium Density Fiberboard) for the construction of their enclosures. A few tout the use of exotic (and endangered) hardwoods for their cabinet finishes, yet wood is an acoustically resonant material. The incomparable sound of a Stradivarius or Guarnerius is due largely to the resonance of the wood and glues those craftsmen used. In order to realistically reproduce the sound of a Stradivarius, however, the objective must be to create highly accurate transducers, join them via seamless crossovers, align them unerringly in the time and phase domain, and enclose them in a cabinet which introduces absolutely no coloration of its own. The fanaticism with which Wilson Audio pursues each of these objectives is simply without parallel in the audio industry. We've even developed proprietary adhesives to bond our enclosures, each designed for a specific material, and tested for permanence in the harshest climates.





The Alexandria X-2 in Ferrari (Fly) Yellow

## A Speaker at Home in the Real World

Alexandria is the fruition of a blank-slate approach to creating a new flagship loudspeaker for the real world. It introduces radically new technologies, such as Aspherical Group Delay™, and capitalizes on the synergistic application of technologies perfected in the decade since the X-1 platform was introduced. The design goal was to extend the musical beauty achieved by MAXX®, WATT/Puppy® System 7 and Sophia™ into a system of unprecedented dynamic impact and resolution.

Among the technical innovations of the X-2:

- ▶ New proprietary drivers from top to bottom.
- ▶ New crossovers potted in cases milled from solid billets of X material. Microphonics and mechanical interference are greatly reduced through this aggressive strategy. The crossovers are located behind a removable rear door, providing easy access to resistors and other service items.
- ▶ New combinations of M and X material in the three top modules. For the first time, X material is used exclusively in the tweeter module. The two midrange modules utilize new combinations of X and M materials, resulting in the most inert enclosures yet produced.

▶ New cabinet geometries independently engineered for each module. This greatly reduces driver to cabinet interaction, nearly eliminating all cabinet colorations.

▶ A new front firing port with proprietary geometries, which reduces port turbulence to inaudibility. Alexandria sets new standards for transient impact, bass impact, and resolution. The new bass drivers offer significant improvements in bass resolution, speed, timbre, extension, and dynamic impact over the X-1.



The Alexandria X-2 in Grigio Titanio





## Aspherical Group Delay™

A musical waveform is a complex overlay of frequencies, amplitudes and phase relationships. With current technology, no single transducer can reproduce the full range of music at realistic sound pressure levels and maintain consistent dispersion. The only practical solution to this problem is a multiple driver array, but multiple drivers introduce their own set of problems, chief among them the challenge of preserving the precise time relationships of the musical waveform.

The key to solving this problem lies in the vertical alignment of the various drivers in the array, so that each driver's waveform propagation and optimal dispersion "matches up" with its neighbors' in such a way to create the sonic equivalent of a single point source. The fact is, misalignment of the drivers by fractions of an inch will audibly degrade soundstage height, depth and width, as well as introduce tonal anomalies that destroy the otherwise convincing "presence" of an instrument or a singer's voice.



Figure 1

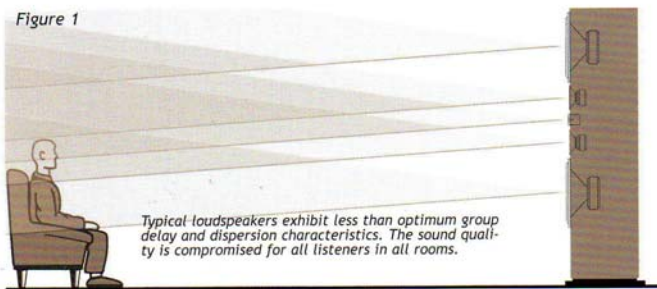
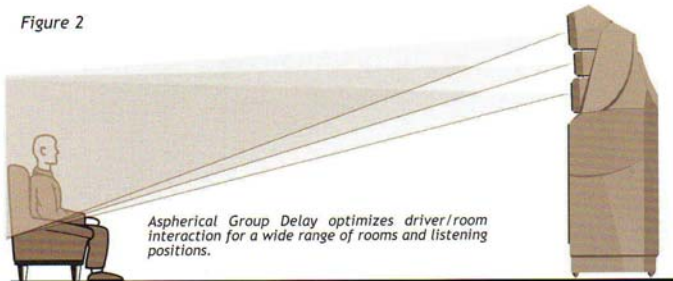


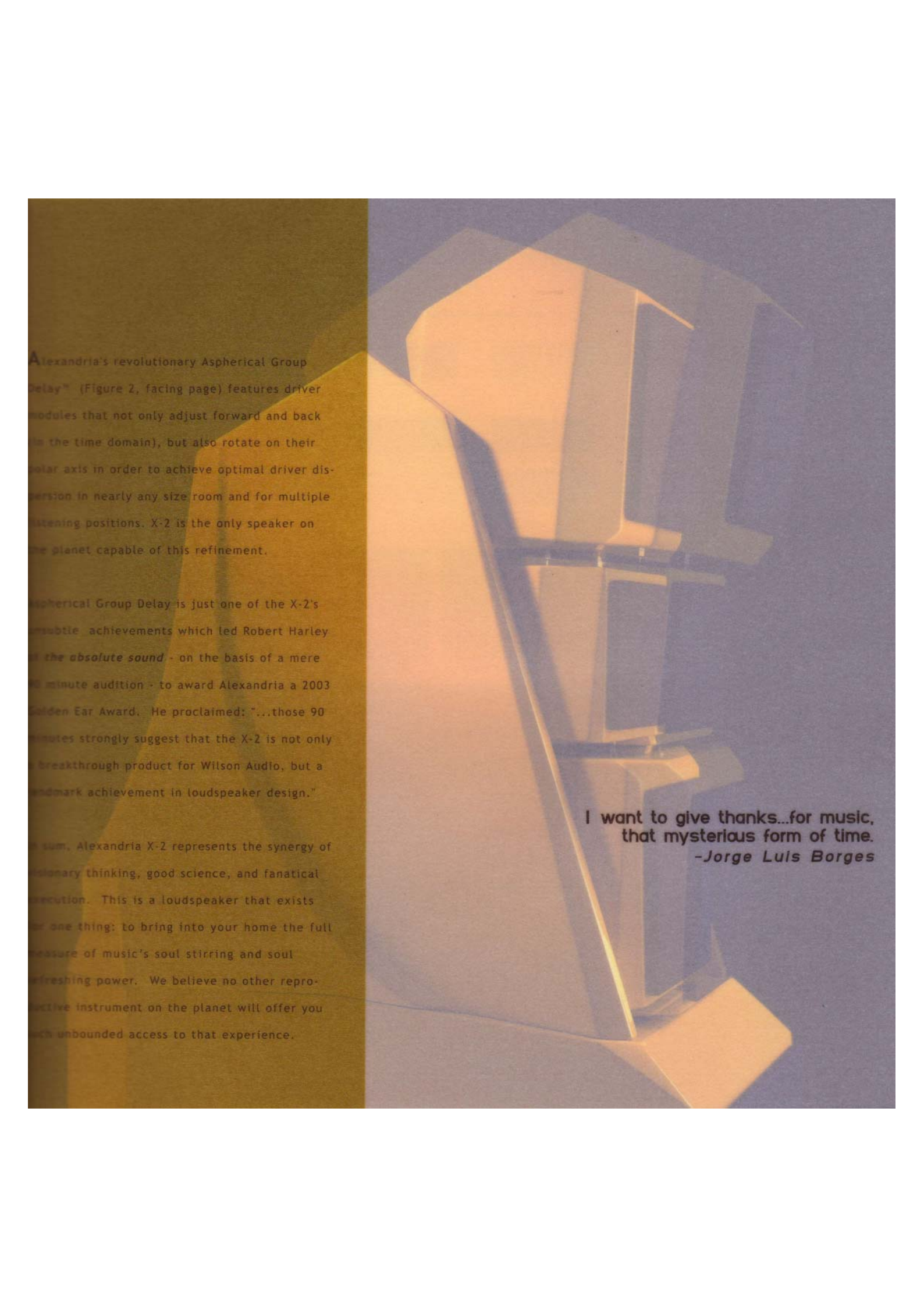
Figure 2



Wilson's patented Group Delay™ has long set the standard for precise driver positioning in order to insure correct time alignment over a wide range of listening locations (corrected for both distance and height). This problem of achieving both phase coherence and optimal driver dispersion is only exacerbated by larger speaker systems. As Figure 1 (left) illustrates, typical large systems fail to optimize group delay and driver dispersion for any given room or listening position.

The use of aspherical elements in the design of high quality photo lenses (in order to achieve edge-to-edge sharpness over a wide range of focusing distances) suggested an analogous solution to providing the tonal accuracy, pinpoint imaging, and ultimate realism that large speakers promise but seldom deliver.





Alexandria's revolutionary Aspherical Group Delay™ (Figure 2, facing page) features driver modules that not only adjust forward and back (in the time domain), but also rotate on their polar axis in order to achieve optimal driver dispersion in nearly any size room and for multiple listening positions. X-2 is the only speaker on the planet capable of this refinement.

Aspherical Group Delay is just one of the X-2's subtle achievements which led Robert Harley to *the absolute sound* - on the basis of a mere 90 minute audition - to award Alexandria a 2003 Golden Ear Award. He proclaimed: "...those 90 minutes strongly suggest that the X-2 is not only a breakthrough product for Wilson Audio, but a landmark achievement in loudspeaker design."

In sum, Alexandria X-2 represents the synergy of visionary thinking, good science, and fanatical execution. This is a loudspeaker that exists for one thing: to bring into your home the full measure of music's soul stirring and soul refreshing power. We believe no other reproductive instrument on the planet will offer you such unbounded access to that experience.

I want to give thanks...for music,  
that mysterious form of time.  
-Jorge Luis Borges





## Colors

### Standard Colors



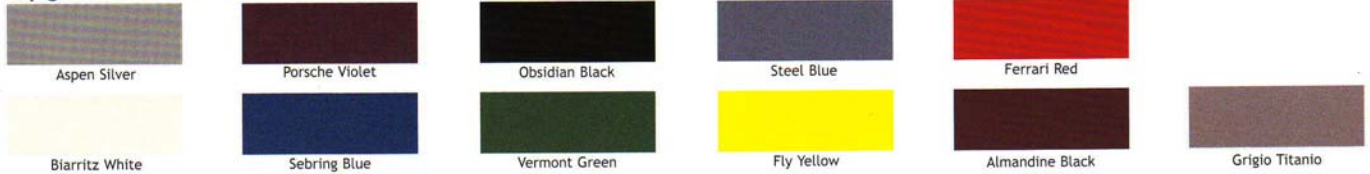
Cashmere Beige

Diamond Black

Mercedes Silver

Dark Titanium

### Upgrade Colors



Aspen Silver

Porsche Violet

Obsidian Black

Steel Blue

Ferrari Red

Biarritz White

Sebring Blue

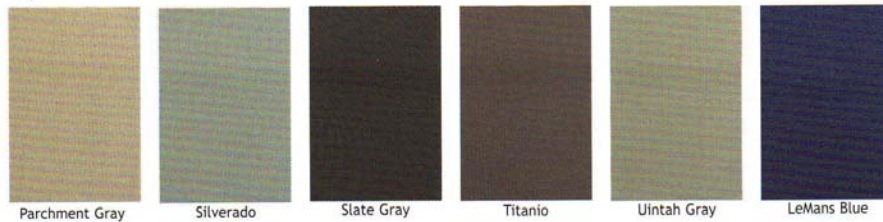
Vermont Green

Fly Yellow

Almandine Black

Grigio Titanio

### Optional Grille Cloths



Parchment Gray

Silverado

Slate Gray

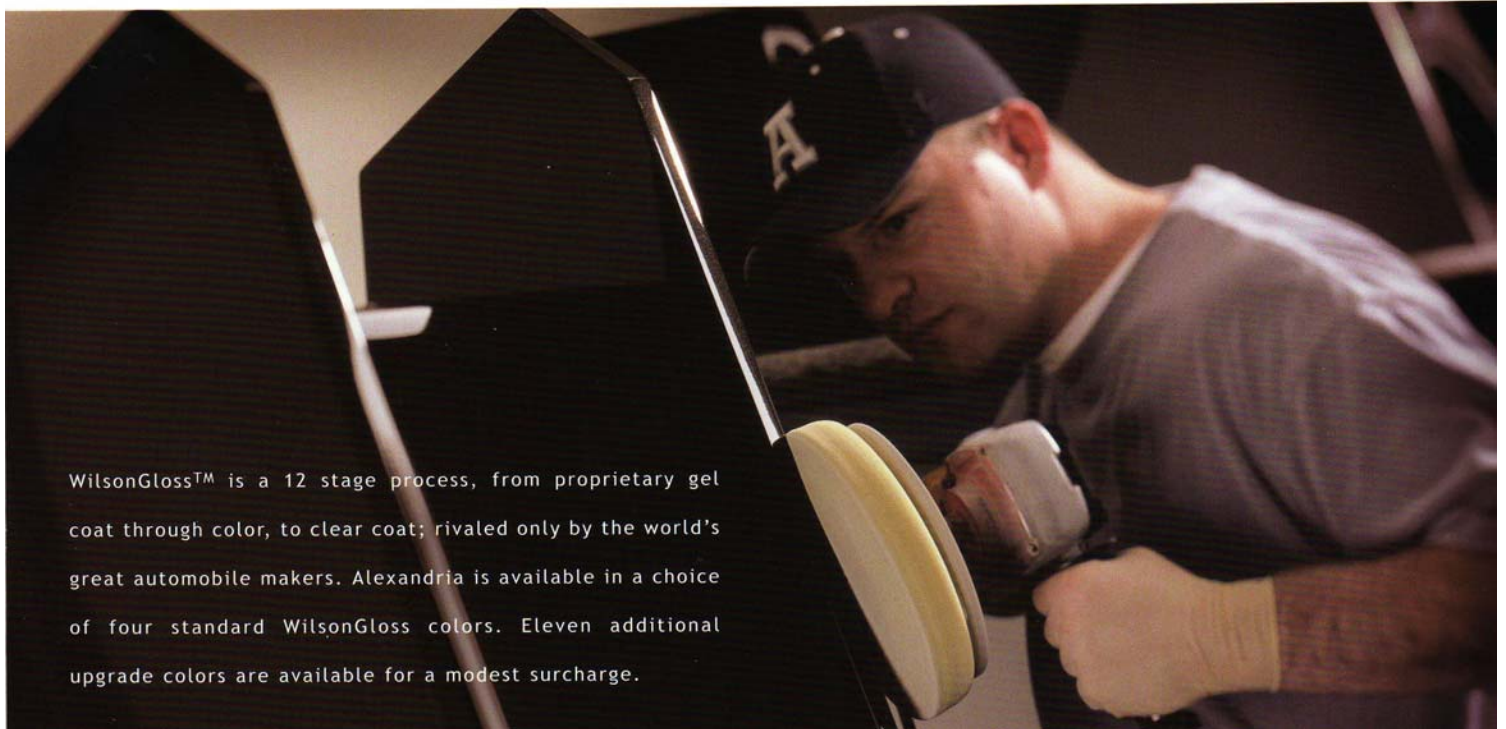
Titanio

Uintah Gray

LeMans Blue

Quality is never an accident; it is always the result of intelligent effort.  
-John Ruskin

WilsonGloss™ is a 12 stage process, from proprietary gel coat through color, to clear coat; rivaled only by the world's great automobile makers. Alexandria is available in a choice of four standard WilsonGloss colors. Eleven additional upgrade colors are available for a modest surcharge.



## Specifications

---

Nominal Impedance: 8 ohms

Woofers: One 15 inch - One 13 inch

Midrange: Two 7 inch (vented enclosures)

Tweeter: Ambience: One 3/4 inch Supertweeter

Tweeter: One Inverted Titanium Dome

Sensitivity: 95 dB@ 1 watt (2.83V at 1 meter)

Minimum Amplifier Power: 20 WPC

Frequency Response: (with port contribution)

+0, -2dB 18 Hz - 22.5 kHz

Height: 72 inches

Width: 17.5 inches

Depth: 26.75 inches

System Product weight: (each) 750 lbs (system) 1500 lbs

Approx. shipping weight: (for complete system) 2,286 lbs

1.02-W  
O.C.A