

The Luthiers Gallery.

The Art of Live Sound

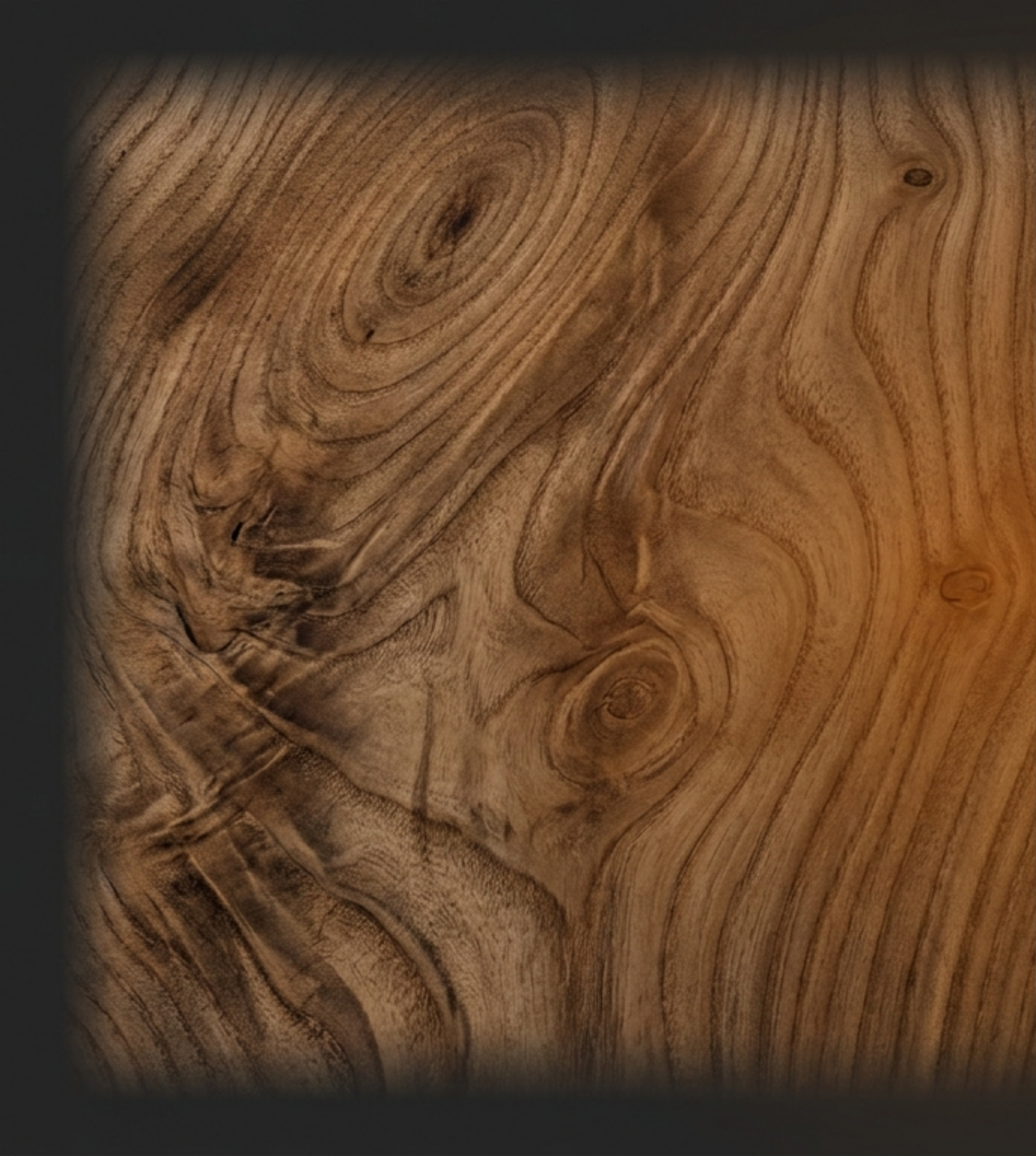
An exploration of the LALS Classical 82 Horn Speaker.

Precision engineering. Artisanal craftsmanship.
Uncompromising fidelity.

HANDCRAFTED WOOD
HORN TWEETER

CARBON FIBER
MID-BASS DRIVER





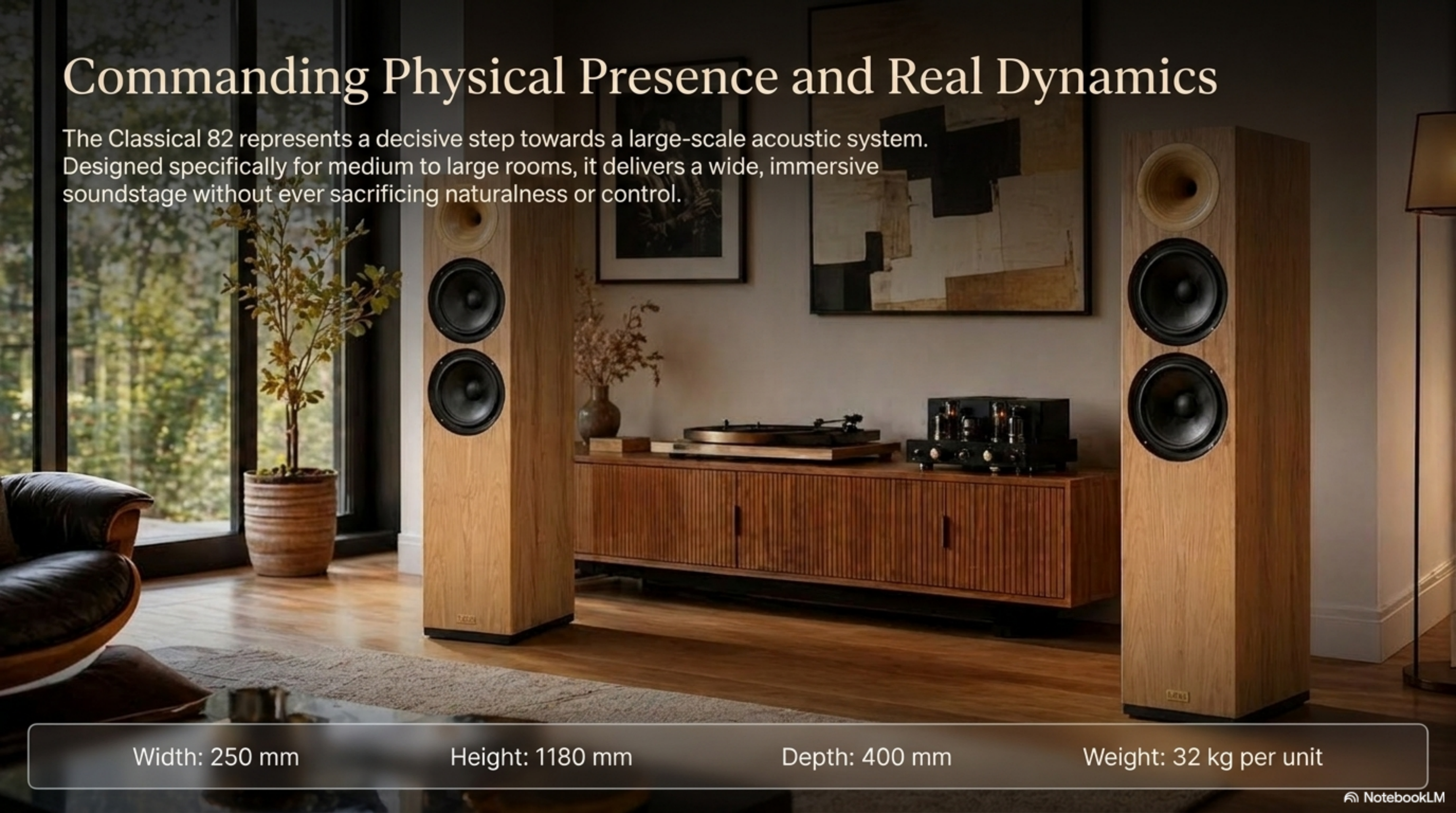
Essence Over Empty Numbers

“ Authentic compression drivers.
Solid wood horns. An honest
proposition for those who
understand high fidelity as an
experience, not just a
specification. ”

LALS Audio reclaims the essence of real
sound through classic engineering and noble
materials. Inspired by historical horn systems
but perfected with modern acoustic science,
the goal is singular: to deliver live, direct, and
profoundly emotional sound.

Commanding Physical Presence and Real Dynamics

The Classical 82 represents a decisive step towards a large-scale acoustic system. Designed specifically for medium to large rooms, it delivers a wide, immersive soundstage without ever sacrificing naturalness or control.



Width: 250 mm

Height: 1180 mm

Depth: 400 mm

Weight: 32 kg per unit

Anatomy of an Acoustic Masterpiece



The Projection Engine

The new rectangular horn a compression driver, presents a cone, high large, and audiophile loudspeakers.

The Acoustic Chamber

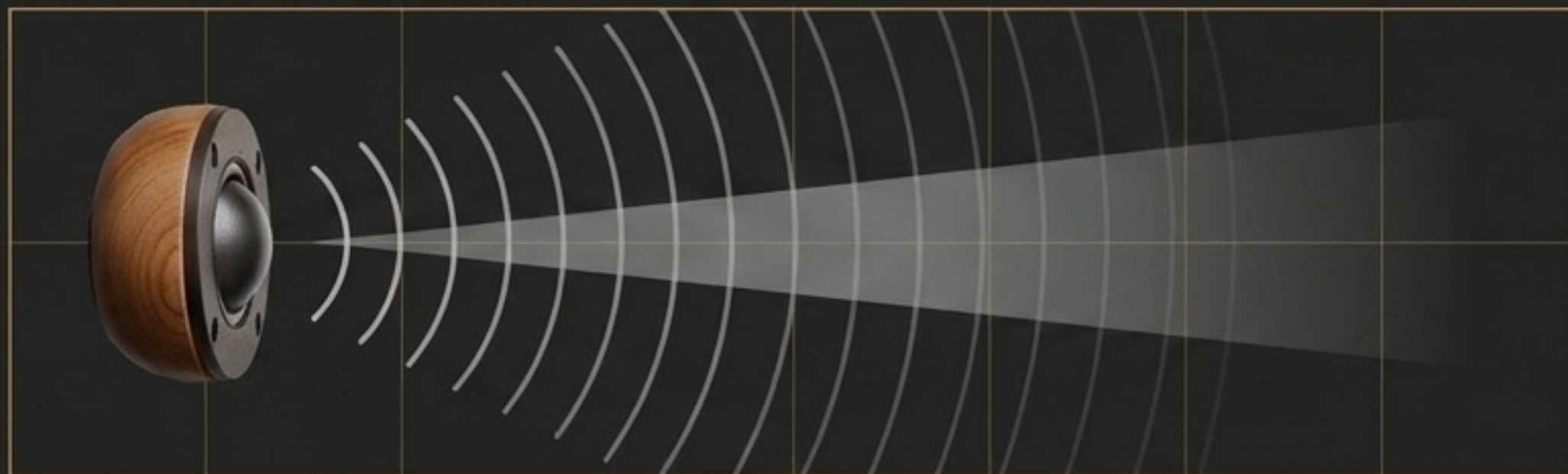
The main cabinet chamber with one logs that phase plugs owered by high-end audiophile loudspeaker.

The Rhythmic Foundation

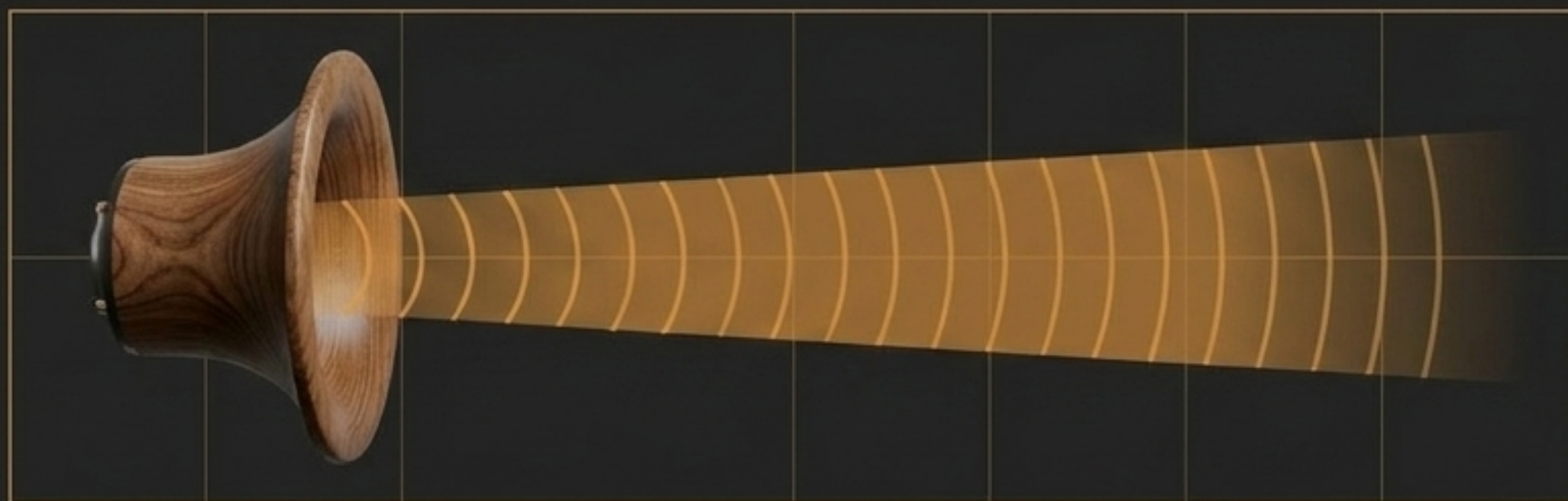
The rhythmic foundation completes with the 1wthner phase plugs for the high-end audiophile loudspeaker.

High Frequencies: Energy, Clarity, and Unwavering Projection

Conventional Dome Scattering



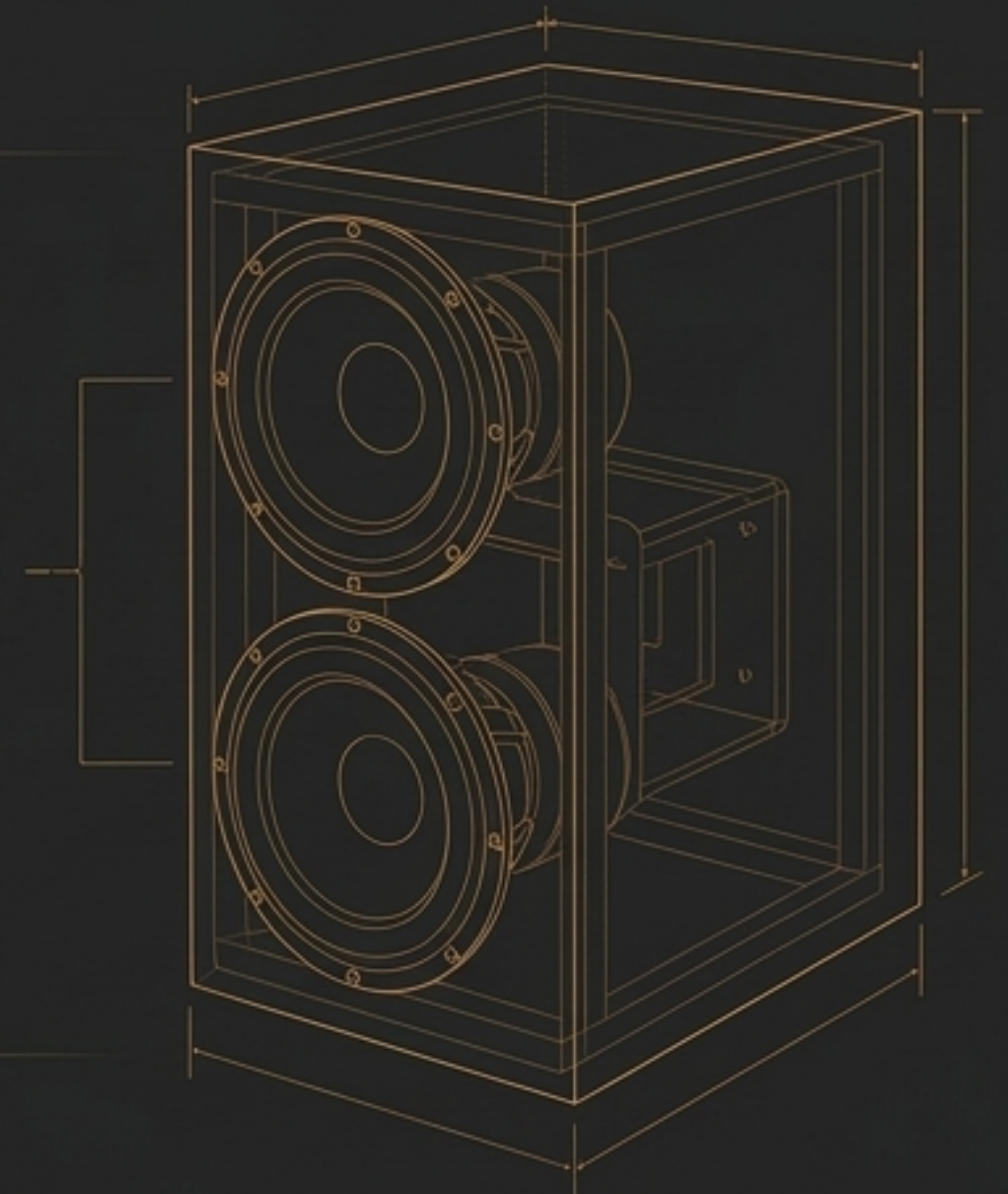
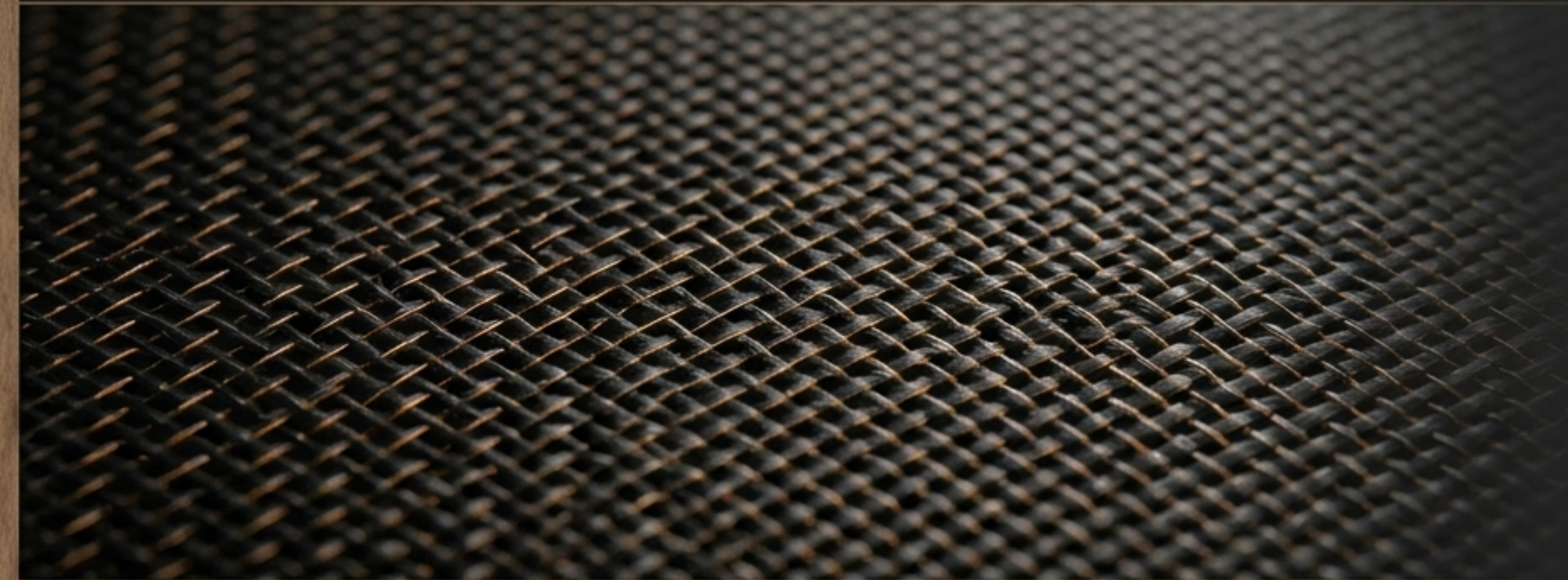
LALS Coherent Horn Projection



At the heart of the Classical 82 lies a 44mm titanium compression driver coupled to a meticulously crafted circular wooden horn.

This classic geometry projects sound with an energy that conventional tweeters cannot match, ensuring body, coherence, and total tonal richness are maintained even at long listening distances.

Low Frequencies: Uncompromising Speed and Authority



Material Advantage:

Carbon fiber provides exceptional rigidity and extremely low weight, paired with a higher-than-usual grid density.

Acoustic Result:

This construction yields incredible speed and absolute control over bass frequencies. It delivers greater low-end extension, commanding authority, and a grand sense of scale that vastly outpaces traditional monitor speakers.

The 1,200 Hz Crossover: Seamless Acoustic Integration

1,200 Hz

Bass

Treble

Fast, authoritative
carbon fiber response.

An unusually low
handoff point.

Expansive titanium
horn projection.

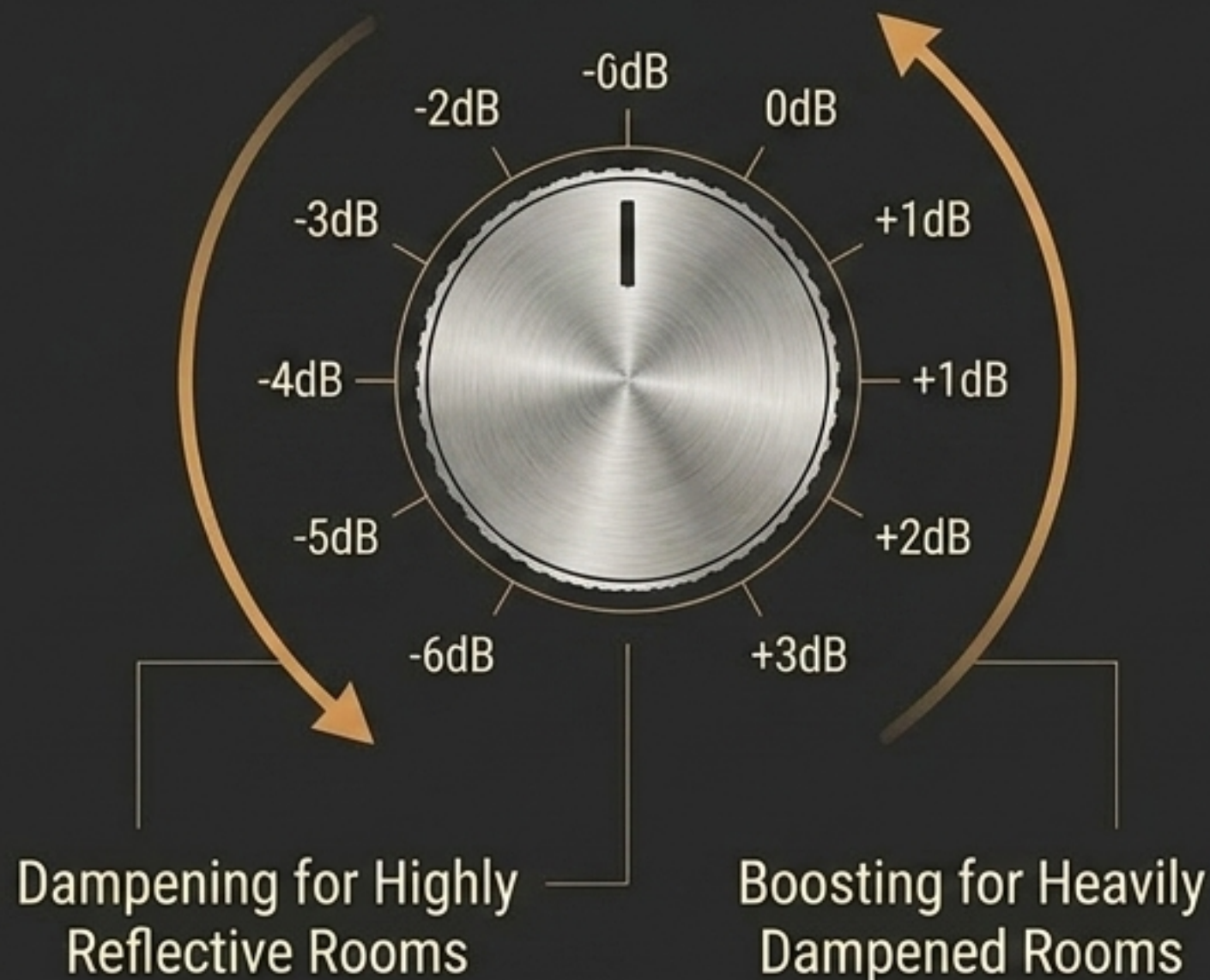
Setting the crossover point at an unusually low 1,200 Hz forces a smooth, highly coherent transition between the carbon woofers and the titanium horn. The result is a perfectly homogeneous, natural soundstage where individual drivers disappear.

The Foundation: Material Mastery vs. Industry Standard

		Standard MDF Cabinets	LALS Classical 82 (Russian Birch)
1	Material	Mass-produced MDF	Russian Birch Plywood
2	Structural Rigidity	Average	Vastly Superior
3	Resonance Control	Artificially dampened	Natural & Controlled Acoustic Behavior
4	Craftsmanship	Machine-line assembly	Hand-assembled and finished in Taiwan

————— Russian birch plywood is a noble material that actively contributes to the realistic, emotional resonance of the speaker, rather than deadening it.

Precision Control: Adapting to Your Acoustic Environment



Like any properly engineered horn system, the Classical 82 features a dedicated treble attenuator on the rear panel. This allows the listener to precisely adjust high-frequency output.

1

Compensating for demanding room acoustics.

2

Synergizing with specific amplifier characteristics.

3

Tuning to personal acoustic preferences.

The 94 dB Advantage: Absolute Amplification Synergy

Low/Mid Power
(Valve Amplifiers)

The Efficiency Spectrum

High Power
(Solid State Amplifiers)



Highly efficient 94 dB sensitivity allows tube amps to deliver an open, expressive, and intensely musical sound.

With powerful electronics, the speaker gains immense structural control and dynamic punch without ever losing its lively, natural character.

The Classical 82 does not dictate your electronics; its enormous ease of amplification allows it to thrive across the entire amplifier spectrum.

The Synthesis: Recreating the Live Event

When the precision of the titanium horn, the speed of the carbon woofers, and the natural resonance of the Russian birch align, the hardware disappears.

A warm, full, and explosively dynamic soundstage. The Classical 82 effortlessly fills the room, recreating the scale, presence, and truth of the original performance without a hint of compression.



Technical Specifications Dashboard

Frequency Response:
35 Hz - 20 kHz

Sensitivity:
94 dB / W (1 m)

Impedance:
4 Ohms

Max Recommended Power:
Up to 300 W

Crossover Frequency:
1,200 Hz

Transducers:
44mm Titanium
Compression Horn +
Two 8-inch Carbon
Woofers

Enclosure Material:
Russian Birch
Plywood

Finishes:
Natural Ash / Walnut
(Handcrafted in Taiwan)



Experience True High Fidelity

- **Escenario sonoro** amplio y detallado, recreando la experiencia de un evento en vivo.
- **Rango dinámico** explosivo y respuesta de frecuencia de 35 Hz - 20 kHz para una inmersión total.
- **Sonido natural y orgánico**, libre de compresión, gracias a la alineación de los componentes.

Contact Lyric Audio Elite to reserve your Classical 82 and recover the essence of real sound.