

LA SPHERE

A Unique Masterpiece



Cabasse



Since 1950

HISTORY OF CABASSE

Cabasse, the only company in the world capable of designing, manufacturing and commercialising 3 and 4-way coaxial loudspeakers. That's unique.

Cabasse, a French HiFi audio company created in 1950 by Georges Cabasse, has always striven to create perfect reproduction of music and sound without any alteration, coloring or distortion. Driven by research and innovation, Cabasse, the *lissajou* brand invented and developed coaxial driver technology. Among its achievements, cabasse has equipped the cinema Le Grand Rex , la Géode , the Radio France studios and the aircraft carrier Charles de Gaulle.

Facing the Atlantic Ocean, its unique research and development centre unites all the skills needed to study new materials including: the creation of new membranes and loudspeakers, the design and creation of prototypes, measurements in the anechoic chamber, quality testing and fine-tuning with some of the best sound professionals. This centre is also an industrialisation and production site specialising in coaxial technology. Music lovers, musicians, fans of the 7th art, or simply passionate about great sound... the men and women that make up the teams at Cabasse share the same taste for the reproduction of pure acoustic emotions, as rich and authentic as the original source of sound. That's why we inspire the signature of «Acoustic Emotions».



SPHERE TCA, THE LEGENDARY
CABASSE SPEAKER NOW
INCORPORATES TRI COAXIAL
ARAMID DRIVERS



"LA SPHERE, THE
GROUNDBREAKING
FLAGSHIP LOUDSPEAKER
FROM FRENCH
MANUFACTURER CABASSE."

Hifi pig

"IT PROVIDES A RIGID,
VIBRATION-FREE SUPPORT
FOR THE SPHERE, AND
ALSO GIVES IT A SEXY,
«FUTURISTIC» LOOK."

Stereophile Magazine



Amplificateur Mono Cabasse BC REF600M

HISTORY OF LA SPHERE

In 2006 La Sphere has been introduced to the world on the CES 2006 in Las Vegas. Equipped with the only quadri axial technology in the world, La Sphere was composed by a TC23 and a 55 cm woofer, the frequency response was 20Hz - 25 kHz.

The high-power handling allows a better transparency that can seduce all high end experts from various countries, its main goal was to subjugate music lovers in their quest for the absolute.

It is one of the densest speakers combining such power, the architecture has been carefully designed to prevent any standing waves or diffraction effects with its dense and aerial aluminium base.

Working with the renowned French designer and architect, Sylvain Dubuisson, Cabasse produced an aesthetic masterpiece which is both beautifully simple and technically perfect for the reproduction of the full audible frequency range. The 70cm spherical enclosure, manufactured from a sandwich of composite materials originally designed for the European space programme, is coupled to the helical die-cast aluminium stand, which positions the centre of the speaker at the perfect height for listening.



LA SPHERE INNOVATION

A pure work of art and the most aesthetic representation of Cabasse technology working all together as one, La Sphere has yet again been reborn with another technological breakthrough: the TCA membrane (Tri Coaxial Aramid) which adds perfectly coherent directivity between drivers and optimises tweeters.

These concentric membranes form of the TCA in profile a constant curve, offering more radiating surface and almost no diffraction from the minimised radiating areas. The homogeneity and purity of the diffusion from top highs to lows are constant. The gain in rigidity with no compromise in weight enables the use of new more powerful rare-earth magnets. It improves significantly the efficiency and the power handling of Baltic. The simultaneous production of both membranes by Cabasse robotised machines guarantees the reliability and the constancy of the performance.

The Cabasse measuring protocol in the anechoic chamber takes into account measurements on the listening axis and at 360° for perfect control of the directivity and global power output in keeping with the Cabasse HDSE principle (Homogeneous Distribution of the Sonic Energy). Direct and reflected sounds are homogeneous, the sound stage wide and stable.

La Sphere is equipped with the best technology Cabasse has to offer for a complete experience in musical emotion: power and precision from a 55cm woofer, faithful reproduction of the audio source through 4-way coaxial drivers, a deep and stable soundstage, perfect linearity in a 60° angle, active 4-way crossover with a 96 kHz processor, calibration in an anechoic chamber and custom home installation.

Cabasse ensures the close follow-up of the transport, installation and adjustment of the speaker in person by sending a Cabasse audio expert engineer to the installation site.





LA SPHERE

Position

Floorstanding

Ways 4

Driver Tweeter

1" dome diaphragm
91 dB (2.83 V/1m)
3000 to 25000 Hz
30W
103 dB SPL

Midrange

4" honeycomb ring
92 dB (2.83 V/1m)
800 to 3000 Hz
80 W
108 dB SPL

Midrange

4" honeycomb ring
92 dB (2.83 V/1m)
800 to 3000 Hz
80 W
108 dB SPL

Low-midrange

8" honeycomb ring
95 dB (2.83 V /1m)
165 to 800 Hz
150W
114 dB SPL

Driver bass

22" honeycomb inverted dome
95 dB (2.83 V / 1m)
20 to 165 Hz
500 W
119 dB SPL

Frequency response

28 – 23000 HZ +- 3dB on axis
20 – 23000 Hz in open space conditions
6 dB at 16 Hz

Dimensions

140 x 70 x 70cm

Weight

98 kg



www.cabasse.com