

# JEAN MARIE REYNAUD



*jean-marie reynaud*  
CREATEUR D'ENCEINTES ACOUSTIQUES





**Established in 1967, the Jean-Marie Reynaud company was from the start animated by the passion of one man for state-of-the art musical reproduction.**

**Initially very small, the company gradually built up increasingly well performing production and research facilities.**

**We now have at our disposal a 2000 m2 production and storage plant, which places us amongst the leading French companies working in the field of high-end audio.**

**A large anechoic room allows us to design, to develop and to produce extremely sophisticated, continuously enhanced products.**

**Our speakers are made from the very best components and benefit from the latest technical breakthroughs of our laboratory.**

**Yet, we strive to propose them at a very reasonable price regarding their excellence, their outstanding construction and soul-moving performance.**

**Renowned and praised in the specialized press in France, our loudspeaker systems are now present in several countries.**

**Our goal is simple : to produce some of the finest loudspeakers in the world. Our products will offer their owner an incredible musical experience, beyond fashion, for a long, long time...**

# **BLISS      \$2999**



**FOR:**

## **THE IDEAL MUSIC LOVER'S SPEAKER** • IN THE <\$2K MONITOR CATEGORY •

The DUET makes use of the exclusive loading system developed for the Offrande Signature, giving it the ability to reproduce a sound environment considerably larger than the modest size and architecture of its enclosure would lead one to expect.

Spontaneous and lively with rich and marvelous tone, it provides a very smooth subjective spectrum of sound and is capable of exploring the very low end without hump or drag effect.

The DUET doesn't pretend to be "as big as a beef" but should suit those who know what real live music is all about.

### **LOUDSPEAKER CABINET**

The traditional loading system commonly used (such as reflex system or sealed box) generates high pressure levels inside the cabinet close to their tuning frequency, the consequences of which can be easily heard across a very wide portion of the audio spectrum: sound box effect, lack of speed, and tonal distortion.

The four-coupled cavities loading principal used in the Offrande Signatures and Duets allows a regulation of air flow inside the cabinet, resulting in lower air elasticity. Its expansion profile has been perfectly tuned, thanks to the use of analog signals to identify the appearance of a flat wave. This double compression chamber, dampened with a visco-elastic compound, gives a very high velocity to the enclosed air, which then reaches the two other uneven internal chambers through a tuned event port. These two cavities dampen the air flow at the exit of the compression chamber. One of them is tuned by a slim event port at the frequency resonance of both cabinet and woofer.

The deep bass which results is tonally pure and distortion free; the establishment of the wave trains is very fast.

### **TECHNICAL DATA**

Impedance	4 ohms
Frequency response	45 - 25000 Hz
Power handling capacity	70 watts
Peak Power	140 watts
Sensitivity	89 dB/W/M
Distortion	less than 0.7 % (84 dB level)
Connection	Mono-wiring
Dimensions	17" tall, 9" wide, 11" deep Weight 10kg

# **EUTERPE     \$4599**



Using the same drivers as the DUET, the EUTERPE was conceived with the same exacting standards and spirit as the most ambitious products of our range.

Its performance is outstanding, especially in the very low end frequencies, which it explores with ease and acuteness and without humps or drag effects.

While easy to drive, it will reveal the range of its abilities most effectively when associated with high performance electronics with sufficient power supply.

## **LOUDSPEAKER CABINET**

The loading system uses a **triangular transmission line** that makes possible a fast and deep bass response without coloration or distortion and a very fast establishment of wave trains, avoiding parallel partition and stationary waves.

Its tweeter is installed in a separate cavity to guarantee complete inertia, avoiding all mechanical interaction with the woofer.

## **TECHNICAL DATA**

Impedance	4 ohms
Frequency response	40 - 25000 Hz
Power handling capacity	80 watts
Peak Power	160 watts
Sensitivity	90 dB/W/M (2,83v)
Distortion	less than 0.7 % (84 dB level)
Connection	Mono-wiring
Dimensions	36" Tall, 8" wide, 13" Deep Weight: 20kg

# **CANTABILE SIGNATURE \$5999**



Few loudspeakers, nowadays, can display such impressive technical performances and such a manufacturing quality, normally reserved for much more expensive systems. The meticulous optimization of the acoustic loading system; its geometric, electrical and mechanical parameters; the quality of all its constitutive elements and particularly of the hand-built loudspeakers: all contribute to produce remarkable results in term of musicality, airiness and natural.

Its un-baffled tweeter is capable of a very high energy at several meters in and off axis. The optimized dynamic phasing of the two transducers ensures ideal time group propagation, the fundamental and the harmonics of the musical signal reconstituting themselves in perfect time concordance. Exactness of timbres is thus perfectly respected. Comfortable with rock music as well as chamber music, the Cantabile demonstrates plainly that a perfectly designed loudspeaker is, by essence, versatile.

## **BASS/MEDIUM**

D6.7 " diameter unit. Composite cone in Cellulose/PVC, double magnet system, double edge wound copper coil mounted onto high temperature aluminium voice coil former. Magnetic core acoustically dampened, Soft textile central dust cap, flat ventilated spider. Massive anti-resonant basket ensuring perfect pole pieces ventilation and free displacements for the spider and for the positive half-roll surround section.

**TWEETER** 1"soft dome textile diaphragm. Front horn frame treated anti-resonances. Frontal wave guide.

## **CROSSOVER**

Three way. Slopes 6 and 12 dB/octave. Crossover fréquences 600 and 3500 Hz. Selected components with low tolerances, pure copper air coils and polypropylène capacitors.

## **LOUDSPEAKER SYSTEM**

Tuned triangular transmission line with slim event port. Machined in medium wood of 0.75"thickness. Beveled edges reduce diffraction effects. Assembly under press in order to guarantee optimal rigidity of the cabinet. Head support machined in solid wood. Steel spikes.

## **TECHNICAL DATA**

Power handling capacity	90 Watts
Peak power	210 Watts
Impedance	4 ohms
Frequency response	+ / - 3 dB = 40. 20.000 Hz
Sensitivity	90 dB/W/M
Distortion	lower than 1% (84 dB level)
Nominal SPL	110 dB
Dimensions	H.37" L.8" P.12"(including spikes and treble module)
Finish	Stained real beech veneer in wild cherry color
Connectors	Mono and Bi - Wired

# **EMERAUDE \$8699**

*The Fruit of meticulous work and of 40 years of experimenting, measuring, and listening, this floorstanding loudspeaker integrates numerous innovations in design and technology.*

*Its two driver units and the architecture of its loading system benefit from our most recent researches.*



The 6.5" woofer uses a sophisticated cone made of long carbon and kevlar fibers whose characteristics of steepness and internal damping are exceptional.

It is activated by a double magnet system with ventilated core. This technique avoids the increase of air viscosity enclosed in the air-gap of the magnet system at high levels and insures a perfect cooling of the moving coil wound[ed] on both sides of a 38 mm kapton high temperature support. This sophisticated technique avoids all resonance in the support and allows perfect cooling of the two layers of the deoxygenated pure copper moving coil.

The traditional dust cap is replaced with a solid phase plug which eradicates the turbulences generated at the center of the cone, optimizing frequency and transient responses.

The tweeter utilizes a very short moving coil which moves within the air-gap of a powerful neodymium magnet system. It is fixed between two hemispherical rings built of a very light soaked fabric that constitutes the cone. The symmetry of displacements of this moving coil allows it to act as a perfect piston (no swing phenomena of the dome as with traditional dome tweeters). Phase anomalies are also avoided. Its frequency response is perfectly flat, its resonance frequency is very low, and its off-axis response is excellent.

The loading system uses a triangular transmission line that allows a quick and deep bass response without coloration or distortion and a very fast establishment of wave trains. Machined under presses, the cabinet network generates no resonances or vibration, resulting in a very clean and fast sound with striking transparency and naturalness.

Though its high sensitivity and benign impedance make the Emerald very easy to drive, we recommend high level electronics to enable this speaker to achieve all that it is capable of.

## **WOOFER**

6.5" diameter units. Zamac basket, double magnet system. Aerated flat spider, 1.5" moving coil wounded onto kapton support. Ventilated core. Massive anti-vortex phase plug

**TWEETER** "W" membrane. 38mm moving coil. Neodymium magnet system.

**CABINET** Tuned triangular transmission Line.

## **TECHNICAL DATA**

Impedance	8 ohms, minimal 6 ohms
Frequency response	35 - 25000 Hz
Power handling capacity	90 Watts
Peak Power	180 Watts
Sensitivity	91 dB / W / M
Distortion	inférieure à 0.7% (niveau 84 dB)
Connecting	Mono and bi wiring
Overall dimensions	H: 45" D: 12" W: 8.7"

# **OFFRANDE SUPREME     \$12,999**



Very soon after I saw the first outlines of the technical study of the original Offrande and then saw the results of the first tests, it was clear to me what the potential for the speaker could be. From that point, it became for me a continuous source of passion, astonishment, and joy.

What has struck me most forcibly about our new Offrande Supreme is its increased ability to capture both the intimacy of a musical performance and

the integrity and wholeness of musical expression: its recovery of a performance is sensitive both to details of timbre and the fullness of instrumental sound. The key to this rare achievement is the Supreme's remarkable ability to enable each individual instrument to find its own space within which it opens out freely. As a result, the Offrande Supreme has an extraordinary capacity to create a focused and strong musical bond between the music and the listener.

Since its conception in 1994, I have worked ceaselessly to enable the Offrande to evolve, attempting in each new iteration of the speaker to get closer to the musicians and the music. Today's Supreme testifies to the constancy of my search for the best possible result. The smallest details of the speaker's architecture and of its components have been meticulously optimized, so that nothing under our control can block its performance and its natural breathing.

The Offrande Supreme is designed for those who no longer find the spectacle of 'high fidelity' an attraction. More than ever this speaker makes it possible to understand without effort the expression and artistic intentions of musicians.

## **TECHNICAL DATA**

Power Handling capacity	90 Watts
Peak power	290 Watts
Impedance	8 ohms (minimum 6 ohms)
Frequency response	30 - 25000 Hz
Sensitivity	91 dB/W/M
Filter type	type 6 - 18 dB
Cut off frequency	2200 Hz
Connection	Mono and Bi-wiring
Finish	Real Aniegre veneer, baffle support, stand in solid cherry
Dimensions	(without stand) H 45, P 42, L 24 cm
Weight	33 Kg

# **ORFEO     \$14,299**



ORFÉO is a somewhat smaller, more room friendly, and less costly version of the monumental CONCORDE Signature. It inherits the spirit and unusual technical and musical qualities of its larger sibling and uses some of its components. It is a two and a half-way system. It is lively, very fast, and provides gorgeous reproduction of musical timbres. Deep bass has great energy and power. Thanks to its extraordinary double ribbon tweeter housed in a solid wood head and to the carbon/kevlar/graphite compound of the cones of its splendid woofers, the ORFÉO's timbres have extreme delicacy and great naturalness, with no projection effect at loud levels. Thanks to the application of our research and technical study of the damping optimization of cabinet panels and techniques for machining them, we have achieved an ideal impulse response. No vibration is generated by the cabinet, resulting in a

clean, very fast sound with striking transparency and naturalness.

The ORFÉO is endowed with high sensitivity and, thanks to the geometry of its un-baffled tweeter, has very low directivity. It is very easy to drive, though like the CONCORDE Signature, it will give its best when driven by powerful amplifiers of high current capability. The ORFÉO is perfectly at ease with all the styles of music and is a welcome addition to the Reynaud line of speakers.

## **GENERAL DESIGN**

Tuned triangular transmission line for the woofer. Tweeter is un-baffled. Adjustable spikes are provided, as well.

## **DRIVERS**

Built by a manufacturer accustomed to producing professional speaker units with very low tolerances, they are designed to have exactly the same sensitivity. Thus no resistor is used in the crossover.

The woofer's speaker's cones are made with carbon/kevlar/graphite compound. Because their frequency response is very flat and without phase errors the crossover is as simple as possible. The ribbon tweeter is a handmade masterpiece housed in a solid wood head designed to produce a very regular polar diagram.

## **WOOFERS**

2 x 6.5" diameter units. Zamac basket, double magnet. Aerated flat spider, 1.5" moving coil wound onto kapton support. Ventilated core.

## **TWEETER**

Double un-baffled ribbon tweeter, overall dimension of the two ribbons corresponding to the gold number. Hyperbolic front frame giving a very low directivity.

## **CROSSOVER**

6dB, 12dB and 18dB octave. Cut-off frequencies: 600 - 2800 Hz.

Large section copper air-coils, polypropylene capacitors with low tolerances.

Point-to point-wiring, no circuit board.

## **CABINET**

Real Aniegre-veneered medite material on both sides. Sandwich structure for the back of the cabinet.

Assembled under press to guarantee a completely inert structure. Optimised internal damping. Rounded edges in solid beech wood to limit diffraction effects.

## **TECHNICAL DATA**

Frequency response	35 - 25000 Hz
Nominal impedance	4 ohm
Sensitivity	92 dB/W/M (2.83 V)
Power handling capacity	120 Watts
Peak power	250 watts
Recommended power	40 to 250 watts
Dimensions	H 47.5", P 12.4", L 8.8"
Finishing	real aniegre veneer, stained cherry beech
Weight	30 Kg

# **CONCORDE SIGNATURE     \$19,999**



When designing the Concorde, our main goal was to achieve the widest bandwidth and

the most precise transient response, while keeping it user friendly in terms of cabinet size. Listening to the Concorde is, in more ways than one, an unforgettable experience.

The sense of reality it conveys when recreating music is probably its most striking characteristic.

The timbres and their harmonic structure are so truthful and vivid that each instrument is portrayed in the most life-like and natural way. Those who enjoy live music will find them astonishingly familiar, with that feeling of "déjà-vu" springing from their concert hall experience.

Micro-details which so many designs intentionally bring to the fore to give a false impression of transparency, are rendered the way you would really hear them, as part of a wider musical environment.

The squeaking of a chair, the breathing of a performer, whispers, the hall ambiance, all melt intimately into the music to recreate a coherent and global message.

The perfectly designed loading system of its amazing woofers allows the Concorde to go extremely low, and to do so without any cabinet resonance, and without blurring low frequencies. Bass is deep, naturally sweet and bouncy, with remarkable drive.

Its midrange allows timbres to bloom naturally. Fast, with low directivity a total absence of coloration, and

exceptional linearity, it portrays the artistic intentions of the performers in the most accurate yet relaxed way. The recording venue is recreated faithfully.

Its extraordinary double ribbon tweeter adds to an already impressive ensemble. Perfectly in phase with the midrange driver, it allows the treble to shine and to melt smoothly with the rest of the music, recreating a coherent wave front. The strain associated with some tweeters is completely absent from such a design. The Concorde was, in term of design ,both a challenge and a treat. It portrays music in a way that will amaze concert lovers.

Though they require a reasonably wide room to give the best of themselves, setting up these speakers up is quite easy, thanks to the painstaking attention that went into cabinet damping .

Also, in order to allow them to really shine, and to benefit from their startling dynamics in the low frequencies it is recommended to match them with amplifiers endowed with a high current capability.



## **GENERAL DESIGN**

Tuned triangular transmission line for the woofer. The midrange driver is encased in a dedicated enclosure, tuned with a second enclosure through a Helmholtz resonator in order to eliminate the main cabinet resonance. Tweeter is un-baffled. Adjustable spikes are provided, as well.

## **DRIVERS**

Built by a manufacturer accustomed to producing professional speaker units with very low tolerances, they are designed to have exactly the same sensitivity. Thus no resistor is used in the crossover The woofer's and midrange speaker's cones are made with carbon and

Kevlar fibers embedded in a graphite compound "hypergraphe". Because their frequency response is very flat and without phase errors the crossover is as simple as possible. The ribbon tweeter is a handmade masterpiece housed in a solid wood head designed to produce a very regular polar diagram.

**WOOFER**

2 x 6.5" diameter units, Zamac basket, double magnet,. Aerated flat spider, 1.5" moving coil wound onto kapton support. Ventilated core.

**MIDRANGE**

5" diameter, Zamac basket, double neodymium magnet, aerated flat spider. 1" moving coil onto aluminium support

**TWEETER**

Double un-baffled ribbon tweeter, overall dimension of the two ribbons corresponding to the gold number. Hyperbolic front frame giving a very low directivity.

**CROSSOVER**

6dB/ 12dB/ 18 dB octave.

Cut-off frequencies: 330 - 2800 Hz.

Large section copper air-coils, tin-framework polypropylene capacitors with low tolerances for the tweeter's crossover. Point-to point-wiring, no circuit board. All sections, bass, midrange, treble, are isolated from one another to prevent magnetic and mechanical interference and housed in a sealed cavity at the bottom of the cabinet.

**CABINET**

Real Aniegre-veneered medite material on both sides . Sandwich structure for the back of the cabinet. Assembled under press to guarantee a completely inert structure. Optimised internal damping. Rounded edges in solid beech wood to limit diffraction effects. Baffle support for the woofers decoupled from the enclosure to avoid transmission of energy to the overall structure

**TECHNICAL DATA**

Frequency response	30 - 25000 Hz
Nominal impedance	4 ohms
Sensitivity	93 dB/W/M (2.83 volts)
Power handling capacity	120 watts
Peak power	250 watts
Recommended power	40 to 250 watts
Weight	55 Kg
Dimensions	H=138cm P=30cm L=28 cm (54,5" x 12" x 11")
Finish	Real aniegre veneer, stained cherry beech

# AWARDS



## AUDIO REVIEWS

sixmoons.com

DECEMBER 2006

# 2006 Best of 6



The **Jean-Marie Reynaud Twin Signature** is now my standard recommendation for anyone looking for a system-friendly small speaker under \$2,000/pr. The wonderfully balanced Twins had a way of presenting music that completely belied their asking price. Vibrant, exuberant and tonally correct, the Twins possessed a natural warmth that for me was a relief from the current hyper detail obsessed designs with their high-tech ceramic and metal alloy drivers. Definitely not for gear heads.

For those whose mantra instead reads "it's all about the music", you'll love these suave little Frenchmen. And they're only the entry level model of the line... *Quelle surprise.*