

Let us entertain you

REFERENCE SERIES



Jamo[®]
Danish Sound Design





Danish Sound Design

Denmark is world-renowned for its exquisite design. For centuries, Danes have consistently demonstrated a natural aptitude for architecture, construction and design – from wind turbines and bridges, from furniture to opera houses. At the same time, Danish audio companies, such as ourselves, have also established a global reputation as specialists in high quality sound reproduction.

At Jamo, we have spent 40 years re-defining the state of art and developing ground-breaking audio products that reflect our commitment to outstanding technology, craftsmanship and design. Since our founding in 1968, we have continually strived to tune

and perfect the sound quality of every product that we create. Jamo engineers have developed and tested every system in our own labs, as well as in the types of rooms where the final products will be used.

Cutting-edge technology is but one of the essential elements of our products – another is design. As a Danish company, we have an inherent desire to ensure that all our products maintain the proud Danish traditions of beautiful, yet highly functional, design.

Through the years, Jamo has received widespread recognition in the music world for creating products with a uniquely 'Danish sound' – a balance that can

best be described as open, clear and coherent, not to mention unfailingly musical. A sound so true-to-life that you feel as though you are a part of it.

As an indisputable proof that we are continuously striving to perfect this ideal it's our great pleasure to present our latest loudspeakers, reference models that we think will change the face of the high-end loudspeaker market. A true object lesson in Jamo's ability to 'think out of the box' - literally - please welcome the Reference R 909, R 907 and R 900 CEN.

Let us entertain you!

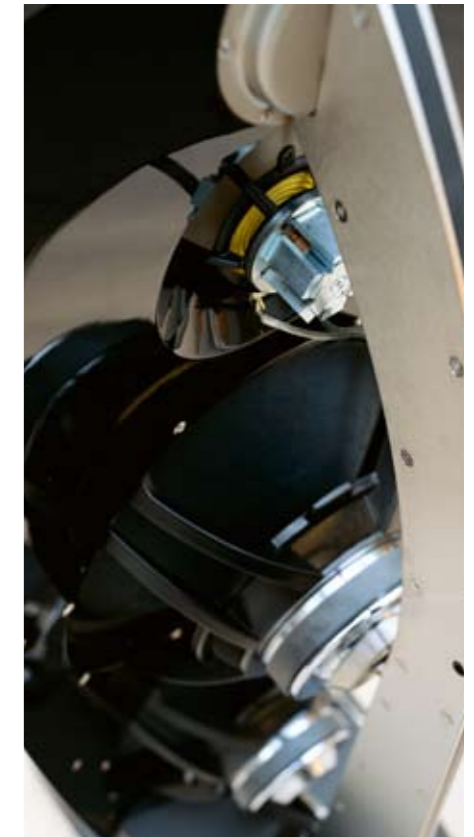
First R 909 prototype



Jamo Reference R 909



Jamo Reference R 907



Stereo speakers worth waiting for

The idea of making a state-of-the-art dipolar loudspeaker is not actually new as the inventor of the Jamo Reference R 909 stereo speaker, chief acoustic engineer Henrik Mortensen, explains: "I made the first prototype of this kind of loudspeaker about twelve years ago but it's taken until now to perfect the speaker and finally turn it into a real product".

The important punch in the midriff

Dipolar loudspeakers have existed for many years, but most examples have been electrostatic types. While the sonic quality of these designs is often very good the main problem with this type of speaker is that bass frequency reproduction is often compromised - they aren't able to produce the

characteristic physical bass 'thwack' in your midriff. To solve this problem, Henrik Mortensen decided to use electrodynamic loudspeakers instead of electrostatic ones... the results were amazing.

A challenging task

"During the process we faced quite a few challenges", Henrik Mortensen admits. "It was quite a task, to make an elegant and aesthetic design for a loudspeaker of this size. But I think we've succeeded with the Jamo Reference speakers... without compromising performance at all!"

Mostly for the connoisseurs

The Jamo Reference speakers are not designed for a mass-market audience. They are for those who demand an absolutely peak-performance stereo speaker. "The Jamo Reference speakers have been created for the increasing number of people that prefer a two-channel solution when listening to their favourite music, because of its ability to deliver an exceptional, refined sound experience", Henrik Mortensen concludes.





The sound of real life | Jamo R 909

R 909

THE SOUND OF MUSIC

With Jamo Reference R 909 we offer you the opportunity to experience music, as it should be heard - live!

This revolutionary floor-standing dipolar loudspeaker employs two massive 15in woofers, a magnesium midrange driver and a customized tweeter, all mounted in a 43mm thick baffle made of a unique multi-ply construction... this is a speaker that is set to change the face of the high-end speaker market.

The perfect match

The R 909 is the perfect match for the highest quality amplifiers on the market. However, with a high sensitivity of 89dB and offering a very stable load

at 4ohms it doesn't need a power plant to drive it... although it will handle more than 800 Watts of peak power if you really want to go there!

The design and drivers used reproduce wonderfully transparent vocals and a response so dynamic that it's hard to believe that you're actually listening to a speaker. The exceptionally firm bass, blessed with immense transient speed, precision and fluidity throughout the frequency range (and absolutely no colouration or reverberation) simply puts you in the middle of the sound experience.

Specifications:

Type	R 909
System	3-way dipole
Woofer (mm/in)	2 x 380 / 2 x 15
Midrange (mm/in)	140 / 5 1/2
Tweeter (mm/in)	25 / 1
Power W long / short term	550 / 800
Sensitivity (dB - 2,8V / 1m)	89
Frequency range (Hz)	25 - 30.000
Impedance (Ohm)	4
Weight (Kg / lbs)	63.1 / 139.1
Dimensions (HxWxD/mm/in)	1276 x 488 x 541
	50.2 x 19.2 x 21.3
Finish	Piano Black
	High Gloss Red



Amazing sound from such a small package | Jamo R 907 R 900 CEN

R 907

GREAT NEWS – IN A SMALLER SCALE

For those that have experienced the power, the authority and the realism of the sound from Jamo R 909 it is obvious that no other speaker of today equals its performance. In the right environment it delivers an awesome reproduction of the original event.

However, many critical listeners do not have, or are not prepared to allocate, the room-space necessary in order to give the grand R 909 optimum conditions. For those enthusiastic listeners we have developed a kid brother to the R 909: the Jamo R 907.

Naturally the ultimate goal for the R 907 was to give the same listening experience as the R 909, but with a smaller footprint: the front baffle would have to be both slimmer and smaller. Since the baffle-size in a dipole-speaker is one of the main determinants of the bass performance that was a compromise the Jamo engineers had to make.

Also the smaller baffle did not allow the use of 2 massive 15in low frequency driver, but instead the R 907 utilizes two equally potent 12in drivers, employing magnet-structures that allow the same sensitivity and low distortion. Of course the cone-material is the same long-fibred, air-dried paper that is used in the R 909.

The midrange driver of the R 907 is built around the same type of Hard Conical Cone (HCC) with virtually flat frequency response well beyond the cross-over-frequency, which allows for a smooth and unobtrusive integration.

Although the magnet system is not quite as sophisticated it is nevertheless one of the lowest distortion drivers in this high-end-class.

The Jamo R 907 tweeter uses the critically-acclaimed Decoupled Tweeter Technology (DTT), widely praised for its ability to give a smooth, relaxed and distortion-free reproduction of the upper spectrum.

Thanks to a careful integration of Jamo's WaveGuide technology the Jamo R 907 displays an even and coherent dispersion characteristic that is an essential feature of the dipole principle.

The R 907 is a welcome addition to the Jamo Reference Series. There is no doubt that to many enthusiasts the Jamo R 907 is the answer to their dreams... R 909 performance in a package that requires less space!

R 900 CEN

ULTIMATE UPGRADE

Adding the new R 900 CEN to your system is like chip-tuning a Ferrari. Some people might think it extravagant but, for the discerning movie connoisseur or uncompromising audiophile, it is a great opportunity to have the ultimate experience.

Design-wise, the R 900 CEN loudspeaker is a symmetrical, horizontal centre floorstander that shares the same design philosophy. R 900 CEN is well-equipped with carefully selected branded components, similar to the R 907. This means a 3-way dipole construction with 300mm/12in woofers, high quality Jamo-developed midrange drivers in magnesium baskets and silk dome tweeters with both DTT and WaveGuide. R 900 CEN is the perfect match for both R 909 and R 907 – either as a three channel set-up or as the ultimate comprehensive do-it-all 5 or even 7-channel surround sound solution.

Specifications:

Type	R 907
System	3-way dipole
Woofer (mm/in)	2 x 305 / 2 x 12
Midrange (mm/in)	140 / 5 ½
Tweeter (mm/in)	25 / 1
Power W long / short term	350 / 500
Sensitivity (dB – 2,8V / 1m)	89
Frequency range (Hz)	35 – 30.000
Impedance (Ohm)	4
Weight (Kg / lbs)	52.4 / 115.5
Dimensions (HxWxD/mm/in)	1189 x 440 x 487
	46.8 x 17.3 x 19.7
Finish	Piano Black
	High Gloss Red

Type	R 900 CEN
System	3-way dipole
Woofer (mm/in)	2 x 305 / 2 x 12
Midrange (mm/in)	140 / 5 ½
Tweeter (mm/in)	25 / 1
Power W long / short term	350 / 500
Sensitivity (dB – 2,8V / 1m)	89
Frequency range (Hz)	35 – 30.000
Impedance (Ohm)	4
Weight (Kg / lbs)	55 / 121.3
Dimensions (HxWxD/mm/in)	665 x 982 x 487
	26.2 x 38.7 x 19.2
Finish	Piano Black
	High Gloss Red



Details that make a big difference

Heavyweight posts

The cast-iron base houses matt-chromated bi-wireable binding posts that connect directly to the crossover network placed inside the base, so securing the best possible signal path.

Special designed woofers

Most woofers are developed to work in a cabinet, and as a woofer constructed for a dipole application is very different from a traditional boxed one we had to develop a special woofer for this open baffle application.

These huge bass drivers employ high quality magnesium baskets plus lightweight, air-dried paper cones with a rubber suspension. The time-consuming process of letting the cones air-dry - instead of just pressing out the water in the former - has resulted in a thicker, and thus more rigid, material for the same low weight. Although paper cones might be out of fashion in some circles they have the ability to start/stop moving incredibly quickly, can reach very, very deep and they endow the drive unit with great sonic precision and musicality.

Highly advanced midrange driver

In order to fulfil the R 900 brief we also had to use state-of-the-art technology for the midrange driver. Employing a patented magnet arrangement, the Seas unit uses a magnesium cone for its stiffness

and low weight, both vital qualities for dynamic response. Thanks to the HCC (Hard Conical Cone) technology the driver is able to reach all the way to 9kHz before any significant cone break-ups occur.

This makes for extremely low distortion throughout the range plus a very open and detailed midrange for optimum voice reproduction. Turned from solid aluminum the centre-plug has a cooling effect on the voice-coil, providing greater power-handling capability and most importantly, extra sonic stability when playing at high volume levels.

Best possible tweeters

The tweeters used in the Reference series are among the best available. For example the Scan Speak Revelator used in the R 909, with its ultra-linear magnet system, its dual-chamber construction, and a carefully designed suspension that virtually eliminates the disturbing resonances at high frequencies that plague so many tweeters.

Come together

The integration of sound from the individual drive units is the key to true high-end performance.

The creation of a good-sounding loudspeaker is not just a question of using the best possible drivers, but more the complicated and delicate task of making all the individual contributions play together.

Beyond providing an outstanding balance the crossover networks in the Reference series provide immense detail and focus thanks to the high quality of the components used.

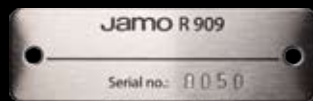
The midrange and tweeter sections of the crossover use polypropylene capacitors with hand-soldered leads, and air-core inductors with low distortion. Furthermore, the specific combination of metal-film resistors used alongside wirewound types, adds that final degree of detail.

The woofers use special low-loss electrolytic capacitors in combination with low-loss, non-saturating, iron-ore coils that use wiring with a very large cross-section, to minimise losses.

What's in it for you...

With the Reference series we offer you a true high-end speaker series that's amazingly easy to drive. The sonic performance is absolutely exquisite – firm, accurate and with sublime attack, precision and dynamics. Not to mention a total absence of unwanted coloration and reverberation.

When listening to the Reference speakers you'll forget all about the technology, speakers and the equipment. Instead you'll simply enjoy what it's all about... a jaw-droppingly authentic musical experience.



Customize your Reference speaker by engraving your name
on the exclusive stainless steel serial number badge.

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