

# R 10

A R R E T É



Enter the dual dimension

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AUDIOVECTOR





GET CLOSER  
TO THE MUSIC

As the ultimate home audio experience, the Audiovector R 10 Arreté opens a new dimension in sound. Developed entirely from the ground up, every single component from the cabinet to the drive units has been purpose-designed to deliver the most natural, dynamic, and open sound reproduction we have ever achieved.

Designed, engineered and hand-built in Denmark, the R 10 combines a suite of the latest generation of Audiovector innovations, immersing the listener in the full breadth, depth and detail of the music.

**Dual Tweeter. Unrivalled Detail.**  
A newly developed Dual Air Motion Transformer works in harmony with our Soundstage Enhancement Concept (SEC). Together they create an exceptionally open, precise, and three-dimensional treble that allows music not only to be heard, but truly felt.

The zero-compression main tweeter features an open-backed driver with a rear cabinet exhaust. This prevents back-pressure buildup, maintaining a natural and effortless high-frequency extension free from mechanical limitations. The dedicated Hyper Tweeter extends the treble response beyond human hearing to deliver an expansive and detailed top end with extraordinary microdynamics.

**No Standing Waves**  
Standing waves are the enemy of perfect sound because they introduce both distortion and energy loss. Our trademark teardrop-shaped cabinet creates perfect conditions for the drivers to effectively eliminate these standing waves.



PROPRIETARY ACCELERATED  
FORCE CONCEPT (AFC)

The unique Accelerated Force Concept (AFC) bass/midrange structure accelerates and decelerates the drive units with precision and control. This results in lightning-fast response, ultra-low distortion, and a physical presence in the sound that you can both hear and feel.

Rather than the ubiquitous roll surround seen on most bass drivers, we use a custom-developed concertina surround crafted from natural rubber and neoprene rubber. This makes the bass drivers fast enough to blend in with the superfast midrange driver. Working in synergy with AFC, it creates the turbo effect on those minimal initial movements while improving high-frequency detailing.

This produces a cleaner sound, better dynamics and a more detailed soundstage, while preserving lifelike vocal and instrumental textures. The low-frequency performance is, quite simply, unprecedented.

The special hysteresis-free 'concertina' corrugated surround improves midrange performance and retains long throw capability rather than forcing listeners to choose between the two.









**Proprietary Crossover Technology**

As with every other Audiovector component, the R 10 Arreté crossover is designed and built to uncompromising standards. Double cryogenically treated capacitors combine polypropylene dielectrics with tin-flashed copper foil for an exceptionally musical sound. Distortion-optimised copper coils in a Dynamic Feed Forward (DFF) configuration reduce resistance and distortion. Audiovector bypass capacitors, meanwhile, preserve the highest treble harmonics for ultimate realism.

Unlike conventional loudspeakers, which tend to rely on reactive wire-wound resistors, Audiovector models integrate precision film resistors to guarantee a smooth and refined treble response.

**Second-Generation Freedom Grounding® Concept**

Our revolutionary Freedom Grounding® technology reduces movement-induced distortion within and between the drive units. Operating all the way up into the highest MHz frequency range, it is 50% more efficient than the original Freedom 1.

A dedicated grounding filter processes unwanted currents from the driver chassis, which would otherwise cause colouration and distortion. This filtered signal is then routed to the ground terminal of either wall socket or a grounded mains distribution unit. The result is a cleaner, more engaging sound with a lower noise floor and enhanced realism.

STEP INTO THE SOUND

*The Audiovector R 10 enhances the realism of the experience, transporting listeners so close to the heart of a track that they can feel the music.*

**Line Array Bass System**

The rear-facing bass line source is ideal for evenly distribution of bass energy throughout the listening room. The R 10 Arreté features eight long-throw drivers, each with a linear travel of  $\pm 12$  mm. They provide a cumulative membrane surface equivalent to that of a single 15-inch driver. Dividing the bass across multiple fast subwoofer drivers, however, results in greater speed and precision.

These bass drivers extend up to 2,000 Hz with a tapered frequency response. On the front baffle, two upper bass/lower midrange drivers deliver fast, precise, and undistorted performance in the crucial lower midrange area where the majority of musical dynamics reside. Together with the rear-facing bass system, they create a vast and open soundstage with deep, involving bass.

**Customisable Bass Control**

All amplifiers are different. Some have a high damping factor, some a low one. A unique Damping Factor Dial makes it possible to achieve a perfect impedance matching, enabling the listener to optimise bass response according to room acoustics and preference.

**8 x Rear Bass Drivers. 15-Inch Performance.**

The low-frequency array of eight rear-mounted bass drivers is groundbreaking. Representing the equivalent surface area and displacement of a 15-inch woofer (yet far easier on the eye), it ensures profound bass extension with controlled articulation.







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**AUDIOVECTOR**  
Feel the Music