

Evidence Platinum

DYNAUDIO HOME

Evidence Platinum

Twelve years ago we defined the world gold standard for authentic musical reproduction with the legendary Dynaudio Evidence Master. Now, with twelve more years of R+D, experience and updated driver technology, we're upgrading to platinum standard.

Wilfried Ehrenholz, engineer and founder, with the company since 1976.



The Dynaudio Evidence Platinum. Very likely the most awesome loudspeaker available anywhere on the planet. Here's why:

When Dynaudio was founded over 35 years ago, the engineers who built the company collectively strove to create loudspeakers performing on a much higher level than everything else available at that time; speakers that would reproduce music naturally and authentically. As technologies matching our requirements were sadly lacking, the consequence was to develop our own premium Dynaudio bass drivers, tweeters and cabinets. This allowed us to realize our quite ambitious goals while surpassing all existing industry standards. Over the years, Dynaudio has always stayed true to these original roots, while developing the company's core technologies even further to create many exceptional loudspeaker models. In the Evidence Platinum, we now have improved and perfected our technological platform to the very highest degree. A higher grade of refinement which combined with the innovative DDC technology will provide you with a level of sound quality you've never before experienced in your listening life. The Evidence Platinum was first shown as a Concept Study at Europe's preeminent high-end audio exhibition, the HIGH END 2012 in Munich, Germany. After enthusiastic reactions from visitors, distributors, dealers and the press, Dynaudio decided to turn the concept into reality. The concept study was further refined and production in Skanderborg, Denmark commenced in November 2012, thus marking the beginning of a new era.

The Evidence Platinum improves upon the original Evidence Temptation and Evidence Master by utilizing experience and knowledge gained when creating Dynaudio's most recent developments, the Consequence

Ultimate Edition and Confidence Signature. Handcrafted to the highest standards by Dynaudio in Skanderborg, Denmark, the Evidence Platinum combines the innovative Dynaudio Directivity Control technology (DDC) with the company's latest and most advanced drive units, select crossover components and the highest level of fine-tuning. Dynaudio developed new 18W75 Evidence woofers to achieve a superior bass performance in the Platinum. Dynamics and accuracy in the lower frequencies are further enhanced by using four bass drivers in parallel, with the multiple woofers thus offering the same large diaphragm surface of one conventional woofer, but taking advantage of multiple voice coil/magnet assemblies.

Dynaudio's finest tweeter, the highly renowned Esotar², is incorporated into an Evidence model for the first time in the Platinum. The latest version of the Esotar² features a new Precision Coating, and in the Platinum, dual Esotar² tweeters as well as two dedicated midrange drivers are mounted into a solid, pure-aluminium front baffle in each speaker in order to implement the DDC technology. The crossover layout and crossover components have been further refined while the internal cabling as well as the speaker cable terminals have been upgraded from the previous Evidence models. A reinforced base plinth with improved plinth feet is the finishing touch on the new loudspeaker. The Dynaudio Evidence models have always been the preferred source of information and inspiration for discerning audiophiles demanding truly authentic sound quality. With the Evidence Platinum, Dynaudio brings these true cognoscenti closer to the purest music than ever.



The black swan. Evidence Platinum.



An element of musical surprise.
Evidence Platinum.

Pure Beauty. Timeless elegance in a tall, yet alluringly slim, cabinet. A quietly swooping satin-black front. Evidence Platinum manages to be discreet and bold at the same time.

Carefully selected wood veneers, ennobled with fine piano lacquer and pure machined aluminium, traced by the soft curvature of nobly bred lines, lend Dynaudio's flagship its timeless form. The cabinet is visibly divided into three sections: The upper and lower bass section, as well as the mid and treble drive units, are mechanically isolated from each other in order to perfect every minute detail to realize the highest sonic performance level possible. At the heart of the Evidence Platinum is the crossover. Contained behind the aluminium middle section in its own sub-enclosure, it is completely shielded from acoustic vibrations. The extreme technical level of the crossover can barely be described: The use of only the very best, carefully selected components, together with its sophisticated DDC topology is a direct reflection of the Platinum's advanced design. Two midrange drive units and two soft-dome tweeters are integrated in the solid, CNC-machined aluminium middle section. The aluminium material's attributes, together with its specifically rounded sides, ensure a uniform and ultimately uncolored sound dispersion. The completely transparent and relaxed reproduction of the highest frequencies provides an airy, detailed and accurate musical experience. The tweeters' fine, soft domes are each protected by an acoustically neutral, slim

titanium bar. To counteract any sonic resonance, a separate compartment isolates and provides the perfect mechanical and thermal environment for the carefully assembled, and close-tolerance selected, crossover components. In addition, the compartment is passively ventilated at the back so that the crossover components always remain within a safe operating temperature range – even at continuous high volume levels and during extreme transients. To implement DDC in the lower frequencies, the woofer cabinets are positioned directly above and below the midrange and high frequency driver middle section. This has two acoustical advantages: First, it provides a more equally spread radiation of the lower frequencies into the room. (In contrast, a single-unit larger woofer would act similarly to a subwoofer and lead to bass boom and uneven sound.) Second, this four-woofer-design combines the diaphragm surface of a larger conventional single-woofer design with the power, speed and control of four smaller single voice coil-magnet-assemblies, with the additional advantage of an elegantly slim cabinet shape. With this shape and the DDC technology's independence from room acoustics, the Evidence Platinum integrates itself perfectly into any living room.

Unmatched musical purity and refinement. Totally effortless power. And unequalled sound staging. The Evidence Platinum has reached a stage where technology borders on magic. Mark Thorup, Conceptual Manager, with the company since 1983.





Pure Magic. About DDC, Dynaudio Directivity Control. The advanced DDC technology to reduce room reflections and colorations.

Any loudspeaker interacts with the room acoustics and can ultimately only perform as well as the room allows. Thanks to the innovative Dynaudio Directivity Control technology, DDC, the Evidence Platinum is much less demanding and performs at its best, even in difficult listening environments.

The Evidence Platinum renders a completely authentic, truly three-dimensional soundstage between the two speakers.

The DDC technology is unique to Dynaudio, and its effect unequalled by any other loudspeaker on the market. DDC consists of a finely-tuned balance of symmetrically arrayed, precisely positioned dual woofers, midrange drive units and tweeters, and an advanced crossover design. DDC reduces sound reflections from the floor and ceiling of any room by at least 75% through the exact matching of the phase responses of the individual drive units, consequently achieving a sound radiation vertically focused towards the listener. DDC essentially reduces room-

acoustical problems without altering the music signal through usual electronic room correction devices, and without the need for visually distracting room acoustic treatments. DDC brings you much, much closer to the music, in your own listening room.

DDC was born at Dynaudio Professional, the division of Dynaudio that develops high-end monitor speakers for the world's best and most demanding recording and mastering studios. Years of experience with Dynaudio studio monitor loudspeakers made it clearly apparent that the real potential of many superb-quality recordings can not be truly experienced due to listening room acoustics. In particular, reflections from floor and ceiling boundaries interfere with a faithful, realistic sonic reproduction because of added time delays. Not even the best loudspeaker technology could unveil a recording's sonic potential in such surroundings. Dynaudio has created a technology, DDC, which effectively reduces these reflections and allows the speaker to perform virtually independent of the actual room.



Pure Control. New Evidence Platinum 15cm MSP midrange drivers.

The diaphragms of the new Evidence Platinum bass- and midrange drive units are manufactured from MSP (Magnesium Silicate Polymer), a composite material developed by Dynaudio that is characterized by low mass, high rigidity and ideal internal damping properties.

The one-piece molding has been geometrically optimized so that its dispersion pattern gradually adapts in a controlled manner as the frequency amplitude increases. Ultra-lightweight aluminium voice-coils with powerful magnet structures drive the speaker cones.



Pure Depth. New Evidence Platinum 18cm MSP woofers.

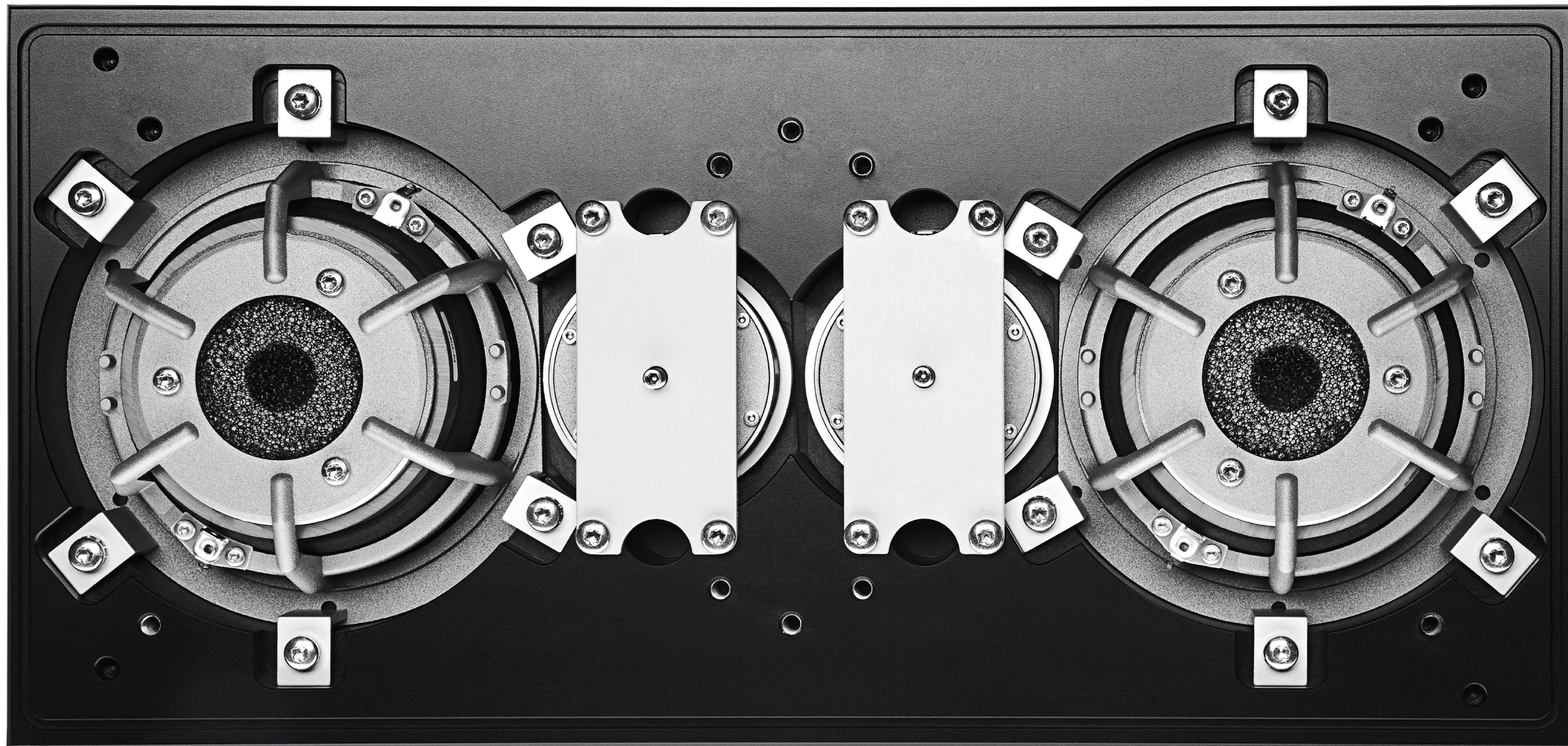
The integration of four relatively compact woofers provides the higher dynamic range and faster transient response so typical of lighter and smaller cones – in marked contrast to the conventional employment of a larger single but inherently slower woofer. The required total cone surface area necessary for a deep and powerful bass response is achieved via all four Evidence

woofers performing in tandem. The Evidence Platinum's bass response is further enhanced by the bass-reflex ports, located at the back of the speakers' cabinets. These large diameter ports have been specifically shaped to eliminate harmful resonance. All these measures assure a completely clean bass response right down to the lowest frequencies.

Weighing in at 115 kg each, a pair of solid Evidence Platinum would cost over 13 million Dollars (at the over \$1,600/ounce price of platinum). Due to obvious reasons, we decided on putting the most noble material of all only into the relevant: the musicality.

Ulrik Helming, Technical Manager, with the company since 2005.





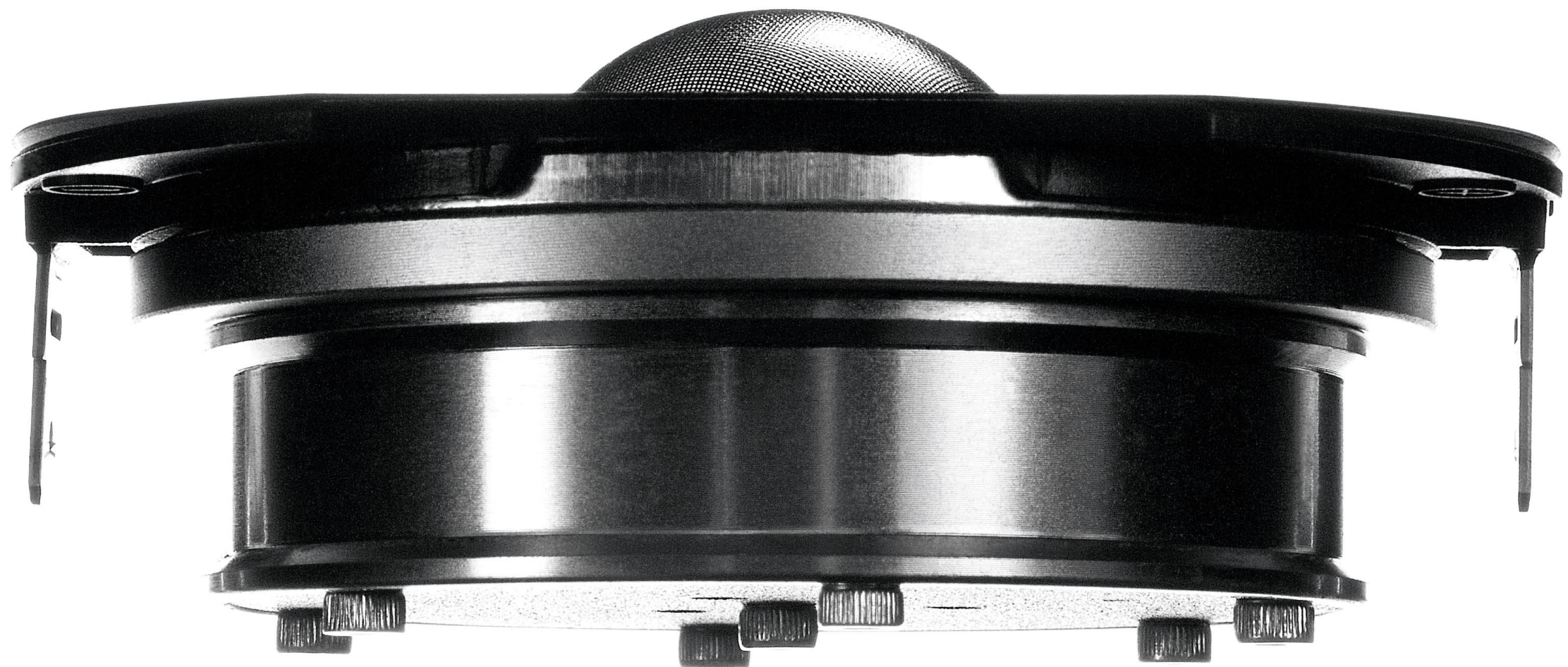
Pure Substance. The ultra-solid, resonance-deadening 40mm black aluminium front baffle.

CNC-machined from the highest-grade aluminium, the massive front baffle of the anti-resonant MDF middle section is the final frontier. Like, acoustically. Even the smallest of unwanted waves can't escape its 4 centimeters of lightweight, yet heavy duty, aluminium.

Tweeters and midrange drive units are mounted rock-solidly into this structure. Only the air moves – not the engine – while the aluminium absorbs any stray molecules and the rounded edges avoid any unwanted local reflections. The effect of this loving care can be heard and felt even in very large rooms:

the soundstage stays deep and wide, essentially multilayered and utterly realistic and dynamic. The Evidence Platinum finds more precious information in any piece of music than any other speaker we have ever produced or encountered. The power and truthfulness from the deepest depths to the most upper treble knows no equal.

In his Stereophile review of the Evidence Master twelve years ago, Larry Greenhill stated: “All of my recordings sounded as if I had opened a window.” Now, with the Platinum, we have opened a door. You're invited to step out into the music.



Pure Musicality. New Evidence Platinum Esotar² tweeters with Precision Coating.

Dynaudio implemented one of the best tweeters available to reproduce the high frequencies of the Platinum: The Esotar² with Precision Coating. With such specially coated, fabric soft domes, the frequency response easily exceeds 25,000 Hz, with no distortion and without the problematic resonance and uncontrolled transient response so typical of, for instance, metal dome

tweeter designs. Dynaudio tweeters are capable of handling over several thousand watts in transients, without suffering any compression. The magnet assembly of tweeters is aerodynamically shaped, and internally damped to fully absorb the energy dissipated from the rear of the tweeter dome. In practice, this translates to incredible dynamics and sonic purity with all music.



Pure Separation. New highest-grade crossover with select components on glass-fiber reinforced PCB.

A loudspeaker crossover has a seemingly simple task: dividing the music signal into low, mid and high frequency ranges.

The crossover is also an integral part of the DDC technology in the Evidence Platinum. The eight, symmetrically arranged drive units have been so precisely tuned to each other that, combined together, the characteristic DDC sound radiation is achieved, which reduces unwanted reflections to yield a true, authentic reproduction of the recording. This task requires highly complex circuitry, distributed over multiple levels, yet at the same time, a puristic approach is needed to retain

absolute sound neutrality. Ceramic resistors, copper air coils, Solen capacitors: all components have been selected on merit of their sonic properties and exacting measurements. The glass-fiber reinforced circuit boards have been laid out with generous copper traces and are connected to the drive units with select pure copper cables and pure copper, gold plated WBT NextGen™ terminals. The bass, midrange and treble drive units are thus fed with only pure, undistorted signals – while an absolute, clean and uncolored music reproduction is what remains.



Pure Strength. Reinforced base plinth with larger footprint for improved stability.

Evidence Platinum means passion right down to the smallest detail: the base assembly is a small work of art in its own right. Integrated inside the Evidence Platinum's solid plinths are four elaborate feet are integrated, which are unparalleled in their no-compromise execution. At the basis is a cylinder, milled from solid aluminium, bolted tightly to the plinth. The use of aluminium and the cylinder's special shape already reduce any minute resonance. The cylinder houses a hardened steel spike, which, through fine threading at one end, can be precisely height-adjusted for perfect leveling. Brass proved to possess the ideal mechanical and resonance-control properties for the contact surface with the spike's sharp tip. Embedded within an aluminium plate, the cone-shaped brass disc provides a

well-defined surface contact area. Three sidebars secure the aluminium plates inside the entire assembly – but these don't touch the floor when the loudspeaker is positioned. By reducing the contact area to the floor to an absolute minimum, in combination with the substantial weight of the Evidence Platinum, the influence from vibration is diminished to negligible levels. This is essential to retain an exactly controlled speaker cone excursion and, thus, uncolored sound reproduction. The integrated spikes are easily accessible for height adjustment after positioning of the speaker. As a result, the Evidence can be perfectly adjusted to every individual room application. Two types of base plinth feet, for hard floor or carpet surfaces, come with each Evidence Platinum.

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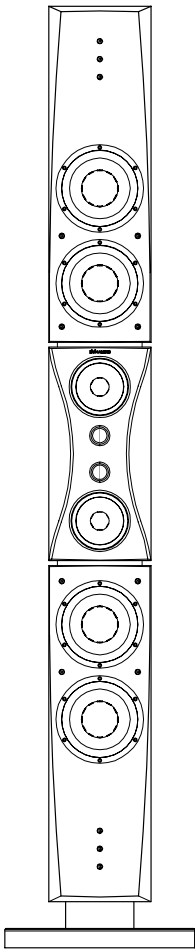
*The Dynaudio Evidence Platinum loudspeaker
is a unique combination of innovative technology,
state-of-the-art precision manufacturing,
and true Danish hand-craftsmanship.*

Skanderborg, Denmark

Pure Craftsmanship. The reinforced cabinet, finished in a new choice of fine veneers and lacquers.

There are very few loudspeaker companies that develop and manufacture their own technologies. The Dynaudio R&D team in Skanderborg, Denmark, relies on its own innovations for material selection, manufacturing processes and component matching to achieve the legendary Dynaudio sound experience. Even the smallest details, such as a tweeter's ultra-light aluminium voice-coil, or the finely woven fabric dome with Precision Coating, receive maximum attention during the manufacturing process. Such involvement is unheard of with many other loudspeaker companies – for Dynaudio this is the only adequate manner in which to create a loudspeaker. An Evidence Platinum is, however, not only a combination of

highly developed loudspeaker technology and meticulously manufactured materials; it is also ennobled by expressive wood veneers and piano lacquers. At Dynaudio's cabinet factory in Denmark, through patience and experience built up over decades, the finest wood grains are selected, veneers are polished and surfaces are coated. Beneath the labor intensive, hand-crafted surfaces lie low-resonance, multi-support cabinet constructions, which are the result of an elaborate process involving strategically reinforcing the cabinets through extensive internal bracing and damping. The sophisticated cabinets impress with their sheer level of craftsmanship, possible only through many decades of experience.



A pdf file of this brochure is also available for Tablets
and smartphones on the Dynaudio website:

www.evidenceplatinum.dynaudio.com

Technical Specifications Evidence Platinum

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|-------------------------------|--|
| Sensitivity (2.83 V/1 m) | 89 dB |
| Recommended min. Amp. Power | Listening distance: 3 m 20 watts (4 ohm) 5 m 60 watts (4 ohm) 7 m 120 watts (4 ohm) 10 m 250 watts (4 ohm) |
| IEC Long Term Power Handling | 550 watts |
| Impedance nominal | 4 ohm |
| Frequency Range (+/- 3 dB) | 28-25000 Hz |
| Bass Principle | Bass-Reflex, rear-ported |
| Bass Port Resonance Frequency | 27 Hz |
| Crossover slope | 6dB/octave |
| Weight | 115 kg |
| Dimensions (W x H x D) | 210/390 x 1940 x 510 mm (8.3/15.4 x 76.4 x 20.1 in) |
| Connection | CE-comp. WBT NextGen™, gold-plated pure copper |
| Recommended placement | Floor, free standing |
| Available Finishes | Piano Lacquer Black Piano Lacquer Rosewood Piano Lacquer Bordeaux Piano Lacquer Mocca Other finishes on request. |

All there is.

DYNAUDIO

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