

# HECO®

HOME  
AUDIO | 18-19



GERMAN HIFI SINCE 1949



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# HISTORY

HECO – German HIFI since 1949



1949: birth of the company HECO



1987: HECO Superior



1990: HECO Megaspacer



2005: HECO developed the Celan-series



2015: HECO Direkt



2016: HECO Direkt Dreiklang

HECO is a brand name that represents a rich and long tradition in German speaker production. Ever since the day the company was founded more than 65 years ago, it has been committed to the uncompromising, high-quality reproduction of music in the home environment.

Back in 1950, HECO built the first speaker chassis in series production, which, at the time, was an absolute innovation. Another milestone in the company's history was the legendary "Type B130" compact hifi speaker in a six-liter cabinet. Thanks to this product, HECO had already established itself by 1965 as one of the first successful speaker brands.

A whole range of legendary speaker series has shaped the

image of this traditional brand to date. In 1987, the company came out on top in a number of tests with its Superior and Interior product lines, attaining authoritative status as a result! Almost two years later, HECO marked its 40th anniversary by launching the first Concerto Grosso - a hand-crafted and premium acoustic product! Just one year later, in 1990, the German speaker manufacturer became a trend-setter in the development of compact subwoofer/satellite systems. In 2005, the company made the definitive leap in terms of securing its status as a premium speaker producer thanks to its Celan series. This exceptional series has won HECO a great deal of recognition throughout the industry.

At the 2015 High End exhibition, HECO celebrated the world premiere of the new HECO Direkt. With HECO Direkt listeners can expect handmade, high-end, two-way speakers in a classic format. The latest development standards and technology, in combination with large bass-midrange chassis and high efficiency tweeters, result in an acoustic masterpiece, the likes of which will not be found anywhere else today. And the hifi world was not less enthusiastic about the new achievements of the design series: HECO Direkt Dreiklang and HECO Direkt Einklang.

2018 - The new Celan Revolution is in the starting blocks to inspire HECO fans.

The fact that HECO has reinvented itself time and again over the past years – spanning a period that has witnessed some of the most important developments in hifi technology – is a testament to the strength and enduring innovative power of the brand.

**GERMAN HIFI SINCE 1949 – AND STILL AHEAD OF THE TIMES.**

# TECHNOLOGY

## AINiCo-MIDRANGE DRIVER

The top-of-the range speaker „THE NEW STATEMENT“ is equipped with an AINiCo midrange - which is very important for the naturalness and precision of the midrange reproduction. The midrange is the crucial region in realizing the goal of a natural-sounding loudspeaker. The reason for this is the high degree of sensitivity of the human ear, particularly in the vocal range. The finest solution is a combination of a high-quality paper cone with an AINiCo magnet. AINiCo (Aluminium - Nickel - Cobalt) is a material that can carry extremely high magnetic field strengths and has a high temperature stability. Music lovers especially appreciate the repeatedly referred to acoustic advantages in terms of dynamics and resolution. However, the extremely high price and, in particular, the difficulties inherent in the production of consistent AINiCo have been responsible for it not being widely used these days.

After considerable research over a prolonged period HECO's engineers have now managed to develop an AINiCo powered drive unit which, with the help of modern laser technology (Klippel® system) and the "Finite Element Method" has resulted in a loudspeaker that works symmetrically with regard to its magnetic field, suspension and inductance. The acoustic conversion takes place via a lightweight „kraft paper cone“ coupled with a relatively stiff and fast suspension system. The result is a remarkably low level of distortion and an amazingly natural midrange reproduction.



## „KRAFT PAPER CONE“

The "Kraft paper cone" is the high tech cone of the HECO midrange speakers and woofers satisfies the most extreme of acoustic demands. Music lovers often prefer the particularly natural sound produced by high-quality paper-based cones. Indeed, many of the legendary cinema and high-end loudspeakers of the past used paper cones for that very reason.

It's perhaps explained by the particularly good ratio between low weight and high self damping. Specific types of wood are pre-selected to provide this high quality pulp. Only Nordic pine timber has the required strong fibres. Other woods and cheaper waste paper are excluded because of their low strength. The pulp is then mixed with the addition of 5% German-produced wool fibres (6 - 12 mm long). During this process all of the fibres interlock to form a densely conjoined weave. This material is then pressed evenly into the conical form of the cone under high pressure. The result of this is a loudspeaker diaphragm with the desired acoustic properties for high mechanical loading.

These positive attributes mean that the "Kraft paper cone" is used in practically all of HECO's loudspeakers. The long throw surround, highly durable voice coil and linearised magnet systems combine to guarantee maximum dynamic contrast and precision.



## DIE-CAST ALUMINIUM CHASSIS

The multi-ventilated die-cast aluminium chassis have extremely well controlled resonance characteristics and as a result provide the utmost stability. They genuinely offer the best possible foundation upon which the powerful magnets and paper cones can perform. However, in a purely aesthetic sense the aluminium baskets also exude precision with their diamond polished surfaces hinting at the purity of sound the speakers can deliver as a complete system.



## FLUKTUS TWEETER

The HECO laboratory has developed the Celan Revolution Fluktus tweeter for the fourth generation of its legendary Celan range. This tweeter is based on HECO's tried and tested polyfiber compound dome, which features a particularly



wide surround that increases its effective acoustic area at low frequencies and guarantees a particularly harmonious transition to the midrange.

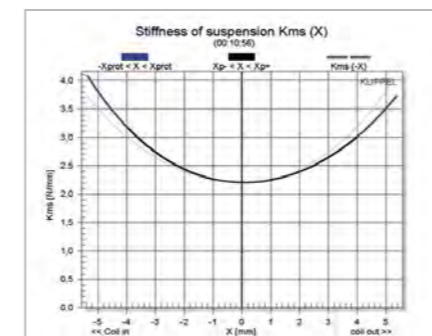
The Fluktus geometry developed by HECO helps to perfect the tweeter's dispersion properties: Waves that are positioned in the aluminum die-cast flange with millimeter precision influence the sound propagation of the dome in certain frequency ranges and ensure optimum dispersion properties. The double magnet drive, along with distortion-reducing copper caps and the particularly low weight of the PFC dome ensure a high degree of efficiency and an excellent resolution.

## CABINET

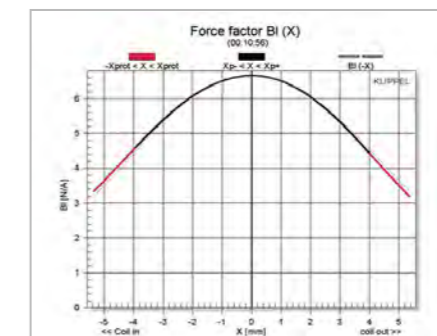
The perfect loudspeaker cabinet should contribute the least possible resonance. This is why HECO uses high quality MDF instead of cheaper chipboard. An asymmetric cabinet profile also reduces unwanted internal standing waves. All of the cabinets feature extensive multiple bracing to reduce panel resonance. To ensure perfect and secure location on differing floor types, all of the free-standing speakers are supplied with height-adjustable spikes and rubber feet.



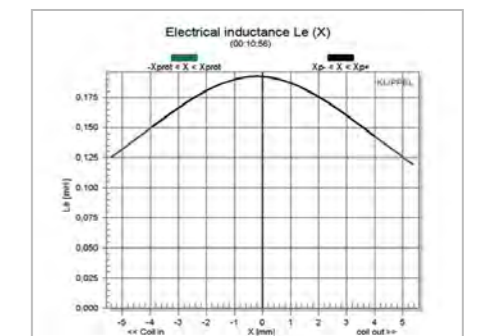
## SYMMETRY OF THE AINiCo-COMIDRANGE



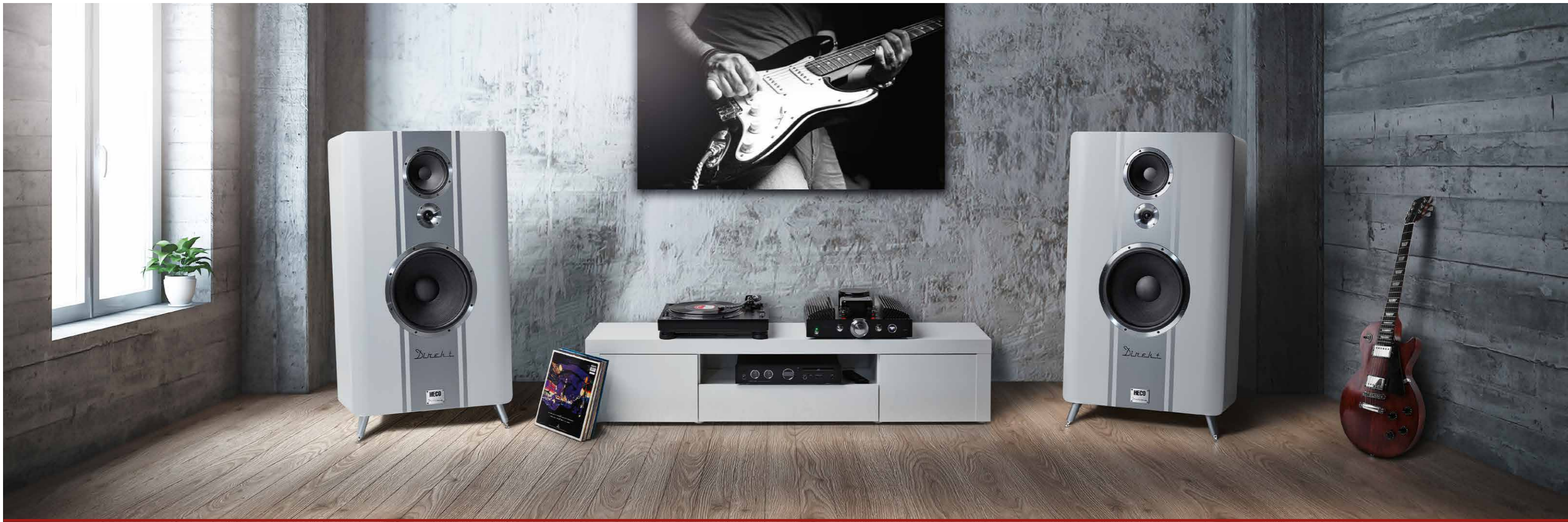
Measurement of stiffness



Measurement of magnetic field



Measurement of voice-coil inductance



# HECO DIREKT DREIKLANG

## Three-way loudspeaker of extremes

Very high efficiency, very low distortion, very high maximum volume and very open, richly detailed HECO sound with huge dynamics - the Direkt Dreiklang employs the most modern development standards and technologies as well as classic virtues of earlier hi-fi icons. What is immediately noticeable, of course, is the particularly wide baffle of the large 3-way speaker. The solid appearance offers clear acoustic advantages compared to the increasingly frequent, markedly narrow

loudspeakers on account of the wide baffled providing the chassis with substantially more room for development in relation to sound radiation. Nevertheless, the HECO loudspeaker does not come across as over-intrusive thanks to the attractive flat design in a stylish silk-matt lacquer finish.

Not obvious, but no less noteworthy, is the exceptionally high level of efficiency with 98 dB. This also means that the HECO Direkt Dreiklang can be optimally combined with transistor and tube amplifiers. A power output of 20 watts per channel and above is recommended.

### STRINGENTLY SELECTED COMPONENTS FOR AUTHENTIC SOUND

The core components of the HECO Direkt Dreiklang are, of course, the built-in chassis. Above all, the high-power tweeter with extremely high efficiency through the 28 mm silk-compound dome, the powerful triple magnet system and the solid aluminium front panel with high-efficiency wave-control horn geometry. Thanks to the innovative overall concept of the tweeter, we achieve an extremely high level of efficiency in the Direkt Dreiklang without the use of a horn speaker. The advantage: distinctly more friendly omnidirectional sound distribution and, therefore, a clearly more homogeneous soundscape.

Magnet systems linearized with the high-tech Klippel measuring system for ideal symmetry and minimal distortions

Attractive flat-design enclosure, floating appearance through all-metal design foot construction

The integrated Chassis with the HECO kraft-paper membrane, which is dedicated to the mid-tone range, has been optimised to achieve a gentle roll-off as well as an excellent degree of efficiency. The 215 mm woofer also has a very strong drive system and particularly low-loss fabric surround. The Kapton voice coil former and impedance compensation guarantee absolutely minimal mechanical and electrical losses.

Another true gem is the high-performance subwoofer made of a particularly lightweight, air-dried ripple membrane and the heavy-duty 75 mm 4-layer voice coil. A Kapton voice coil former is also used here. Combined with the ventilated pole core, the low-loss rubber surround and the powerful 170 mm magnet drive, the chassis, which measures almost 40 cm, is able to realise the deepest basses with precise, crisp punch in a completely effortless and masterful manner, even at the highest level. Both the subwoofer and the woofer have a Klippel-optimised magnet system for ideal symmetry and the lowest possible distortion.





Large three-way system with particularly high efficiency for excellent dynamics

High-power tweeter with particularly high efficiency through the 28 mm silk compound cone, solid aluminium front panel with high-efficiency wave-control horn geometry and powerful triple magnet system

Especially efficiency and gentle roll-off-optimized midrange with Kraft paper cone, lightweight dust-protection cone, hard suspension, very powerful drive, extremely low-loss silk surround and highly durable voice coil in a stable die-cast aluminium cage. Kapton voice-coil and impedance compensation for extremely low mechanical and electrical loss

High-performance woofer with high-capacity 75 mm 4-layer voice coil and lightweight air-dried Ripple cone in a very stable die-cast aluminium cage. Kapton voice coil, ventilated pole core, low-loss rubber surround and extremely powerful 170 mm magnet system for minimum loss and excellent dynamics

Stylish semi-matt lacquer finish with contrasting double stripes on the front

Triple bass-reflex design with bi-directional airflow-optimized rounded downfire tubes for maximum bass effect



#### HECO DIREKT DREIKLANG

<b>Principle</b>	3 way bass reflex floorstanding speaker
<b>Equipment</b>	18" woofer/80" midrange/1.2" dome-tweeter
<b>Power Handling (RMS/max.)</b>	350/600 watts
<b>Impedance</b>	4 - 8 ohms
<b>Frequency response</b>	19 - 30.000 Hz
<b>Crossover frequency</b>	200 Hz, 3,100 Hz
<b>Sensitivity</b>	98 dB
<b>Cabinet surface</b>	Black semi-matt lacquer finish, White semi-matt lacquer finish
<b>Dimensions (WxHxD)</b>	700 x 1150 x 320 (350 incl. terminal) mm 700 x 1235 x 515 mm (incl. spikes)



i-fidelity.net 12/16



PlusXAward 2017



Very Good 08/17



Black, semi-matt  
(Front grille black)



White, semi-matt  
(Front grille grey)



# HECO DIREKT

The most modern development standards meet classic model models

Inspired by traditional roots, the engineers at HECO have created a modern 2-way loudspeaker in line with the latest development standards and with innovative technologies. The HECO Direkt combines the dynamics and bass power of a large floor-standing loudspeaker with the realistic, self-contained spatial and three-dimensional quality of a high-end two-way speaker. All of the individual components have been specially developed for this loudspeaker, trimmed to high efficiency and maximum low distortion with elaborate and time-consuming detailed precision work

## OPTIMISED COMPONENTS ENSURE EXCELLENT PERFORMANCE

An impressive bass is just one of the qualities of the 25 cm subwoofer with the HECO kraft paper diaphragm. Thanks to development using Klippel laser measurement technology, the chassis drive features optimum low distortion, delivering the highest sound precision right into the mid-tone ranges. To ensure this is also maintained in the deep bass range, two flow-optimised, rounded reflex tubes on each side of the bottom of the enclosure provide for optimum acoustic coupling to the room. At 2.350 Hz, a 28 mm silk-compound cone with a particularly wide surround takes over. Thanks to a powerful double magnet system and efficiency-enhancing wave-control horn made of aluminium, it provides for excellent dynamics and is therefore the ideal partner for the particularly dynamic

subwoofer. The result is a finely balanced soundscape of the highest precision. The crisp bass, the extremely clear and direct mid-tone range and the dynamically fine treble range are accompanied by outstanding dynamic capabilities. Efficiency, dynamics and tonal purity at this level can otherwise only be achieved with horn loudspeakers – however, the HECO Direkt delivers these qualities without the often aggressive aftertaste of the horns. Its particularly high efficiency and the impedance characteristics linearised via the impedance control circuit also make it suitable for tube and transistor amplifiers over 10 watts per channel.

## TOP TECHNOLOGY AND TIMELESS DESIGN

The sloping flat enclosure specially designed for the HECO Direkt not only provides for visual elegance, it also offers tangible acoustic advantages. The extra-wide baffle and the backward tilt optimise the dispersion characteristics and the acoustic phase of the chassis combination. The three-point mounting on sleek all-metal feet ensures optimum weight distribution in physical terms. Visually, the influence of iconic guitars from rock history on the Direkt is unmistakable. The name of the loudspeaker says it all – it gets "Direkt"-ly to the point!



Specially designed all-metal foot construction for an absolutely stable base

High-quality all-metal connector terminal

Especially efficiency and gentle roll-off-optimized woofer midrange





Attractive flat-design enclosure, floating appearance through all-metal design foot construction

Newly developed tweeter with particularly high efficiency through the 28mm silk compound cone, solid aluminium front panel with high-efficiency wave-control horn geometry and powerful double magnet system

Especially efficiency and gentle roll-off-optimized woofer midrange with Kraft paper diaphragm, lightweight dust-protection cone, low-loss rubber surround and highly durable voice coil in a stable die-cast aluminum cage

Stylish semi-matt lacquer finish with contrasting double stripes on the front

Magnet systems linearized with the high-tech Klippel measuring system for ideal symmetry and minimal distortions



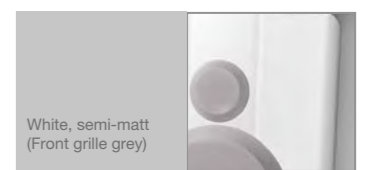
DIREKT



**HECO DIREKT**

<b>Principle</b>	2 way bass reflex floorstanding speaker
<b>Equipment</b>	11" woofer-midrange/ 1" dome-tweeter
<b>Power Handling (RMS/max.)</b>	200/320 watts
<b>Impedance</b>	4 - 8 ohms
<b>Frequency response</b>	25 – 28.000 Hz
<b>Crossover frequency</b>	2.350 Hz
<b>Sensitivity</b>	95 dB
<b>Cabinet surface</b>	Black, semi-matt lacquer finish White, semi-matt lacquer finish
<b>Dimensions (WxHxD)</b>	440 x 900 x 200 (230 incl. Terminal) mm 440 x 998 x 397 (incl. Spikes) mm

<p>Trenddokument 6/15</p>	<p>Outstanding i-fidelity.net 06/15</p>	<p>stereoplay 11/15</p>	<p>lite-magazin.de 11/15</p>	<p>av-magazin.de 12/15</p>
<p>HiFi &amp; Musik 12/15-SWE</p>	<p>Outstanding low-beats.de 01/16</p>	<p>fairaudio.de 01/16</p>	<p>sixmoons.com 01/16-UK</p>	<p>HiFi Choice 01/16-UK</p>
<p>★★★★ Stereó Sound &amp; Vision 01/16-HU</p>	<p>Best Buy HiFi Critic Vol. 10-UK</p>	<p>Sound tip HiFi Test 02/16</p>	<p>Fidelity 04/16</p>	<p>STEREO-TEST KLANG-NIVEAU 77% EXZELLENT Stereo 01/17</p>





## HECO DIREKT EINKLANG

High-end floor-standing loudspeakers with full-range driver and high level of efficiency



The latest addition to the Direkt series is seamlessly integrated into HECO's exceptional range of speakers and, just like the HECO Direkt and the Direkt Dreiklang, it pursues a completely independent concept that is rare today: The Direkt Einklang is an exclusive one-way system in which a single (!) full-range speaker functions as a point sound source and ensures maximum authenticity and spatiality.

The low moving mass means an above average level of efficiency, which makes the speaker perfect for combining with tube amplifiers from an output of 5 watts, while it performs just as well as with large transistor amplifiers. As a member of the high-end series Direkt, the Einklang is distinguished with an elegant silk matte lacquer finish and contrasting double strips. This finish alludes to the high quality and exclusivity of the components that have been specially developed and perfectly optimized for the Direkt Einklang.

Specially designed tweeter cone with newly developed NAWI shape and inverted dust cap ensures a fine and precise reproduction of the treble range

### THE HEART OF THE SPEAKER

The 210 mm full-range speaker is the central element of the Direkt Einklang. Like its predecessors, this speaker has also been provided with a specially developed chassis that has been optimized technically and acoustically using all of the resources available to HECO's engineers. The basis of the speaker is the extremely lightweight HECO kraft paper cone. As its design means only minimal filtering is required, which in turn ensures a direct and pure sound pattern, it produces an outstanding level of efficiency of 94 dB in combination with the lightweight cone.

The concentrated technical know-how is immediately apparent in the shape of the specially designed tweeter cone with its newly developed NAWI shape and inverted dust cap. The cone is manufactured from a single piece of material consisting of a particularly rigid and lightweight paper mixture, which delivers an extremely fine-resolution and precise reproduction of the treble range. The drive is provided by a powerful dual-ferrite system which features a highly resilient, weight-optimized 25 mm CCAW voice coil. In addition, a Kapton voice coil mount eliminates eddy current to support the extremely detailed and highly defined sound pattern. Any distortions in the mid-range and treble frequencies are minimized thanks to impedance compensation.

The chassis, which has been optimized with the high-tech Klippel measuring system to ensure ideal symmetry, is accommodated in a sturdy die-cast aluminum basket that features narrow aerodynamic struts and numerous air vents.

### INSIDE THE HIGH-TECH HOUSING

The extremely sturdy and flat MDF housing of the Direkt Einklang is braced at multiple locations and exhibits extremely low resonance and vibration characteristics. The double bass reflex construction, which features aerodynamically rounded down-firing ports, guarantees maximum efficiency for the low-bass frequencies. Like the other components in the Direkt series, the Direkt Einklang is also equipped with a specially designed solid metal base for a secure footing. The wide baffle and generous housing volume are further cornerstones for the excellent acoustic performance of the HECO speaker. Authentic and dynamic with a dry, powerful bass range and above-average spatial effect – which is simultaneously casual and easy-going. Just as you would expect from the HECO Direkt series.





Attractive flat-design enclosure, floating appearance through all-metal design foot construction.

Powerful dual-ferrite drive system and highly resilient, weight-optimized 25 mm CCAW voice coil.

Magnet system linearized with the high-tech Klippel® measuring system for ideal symmetry and minimal distortions.

High-quality all-metal connector terminal with stable, gold-plated high-end screw terminals.

Double bass-reflex design with bi-directional airflow-optimized rounded downfire tubes for maximum bass performance.



Direkt



#### HECO DIREKT EINKLANG

<b>Principle</b>	1-way bass reflex floorstanding speaker
<b>Equipment</b>	8" fullrange driver
<b>Power Handling (RMS/max.)</b>	120/180 watts
<b>Impedance</b>	4 - 8 ohms
<b>Frequency Response</b>	32 - 19 200 Hz
<b>Sensitivity</b>	94 dB
<b>Cabinet surface</b>	Black semi-matt lacquer finish White semi-matt lacquer finish
<b>Dimensions (WxHxD)</b>	382 x 842 x 196 (224 incl. terminal) mm Incl. metal spikes 382 x 931 x 385 mm



Lite-Magazin.de 10/17



Recommended AudioVideo 10/17 - RUS



Recommended HiFi Choice 01/18 - UK



stereoplay 02/18



Fidelity 02/18



Very Good av-magazin.de 02/18



Outstanding areaDVD 03/18



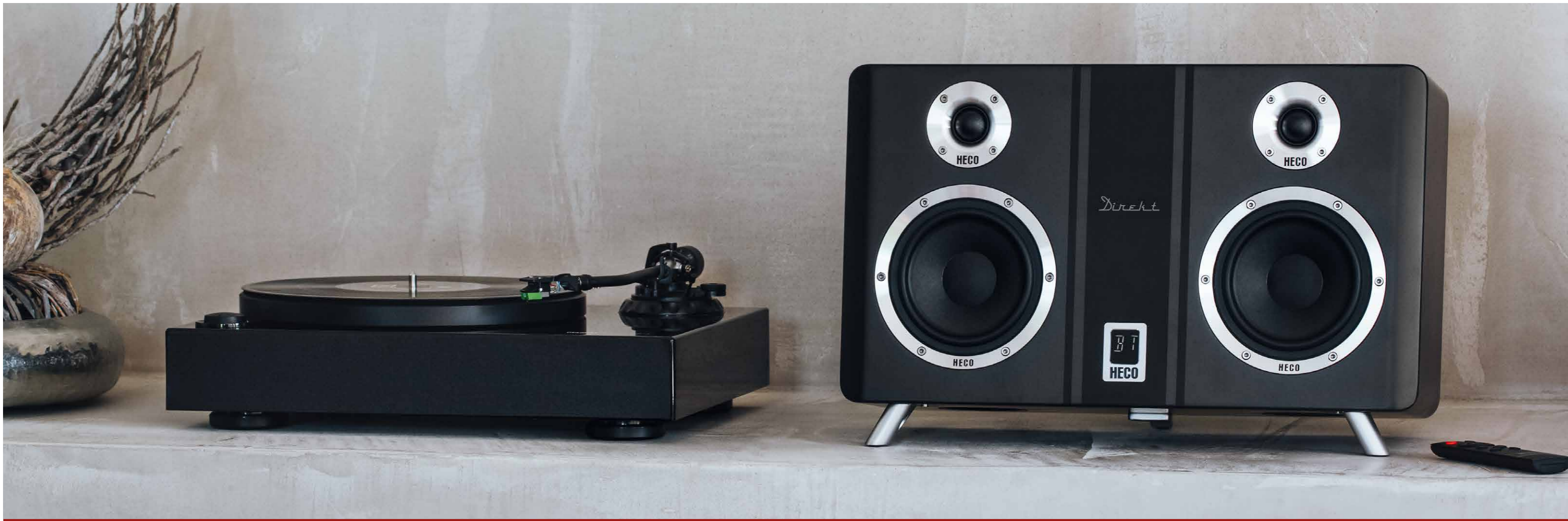
Outstanding lowbeats.de 03/18



Black, semi-matt (Front grille black)



White, semi-matt (Front grille grey)



## HECO DIREKT 800 BT

### Multifunctional all-in-one top-class Bluetooth® sound system

The HECO Direkt range has caused a sensation in the international high-end scene. With their unique family design and charming musicality, three models quickly became a legend. This trio is now joined by the first active version – the HECO Direkt 800 BT. The compact all-in-one system, with its Direkt design and packed with numerous technological refinements, is likewise poised to revolutionise the world of music streaming.

#### POWER HI-FI IN COMPACT FORMAT

Just like its sister models, Direkt 800 BT has no qualms about showing off its hi-fi quality. The stocky front of the all-in-one system is filled with large-format loudspeaker chassis. It proudly displays the typical design language of the Direkt range, including the contrasting stripes on the front. Those who like things somewhat more discreet will also find attractive front covers with invisible magnetic mounts in the packaging. It is patently clear that the Direkt 800 BT has nothing in common with small mobile Bluetooth speakers, except the modern streaming standard. It combined two classic high-end 2-way systems in a large enclosure.

Two 125 mm subwoofers with the tried-and-tested HECO kraft paper membrane combine with two powerful fabric domes to form a superbly dynamic quartet. Two downfire bass-reflex ports provide deep bass, while the solid metal feet lend the enclosure the floating character typical of the Direkt range.

#### GREATER CONNECTIVITY IS JUST NOT POSSIBLE

The integrated amplifier unit of the Direkt 800 BT is a real all-rounder. It features two analogue inputs, one of them either as Line in or as a phono input for direct connection of an MM record player. Added to this are one optical and one coaxial digital input that can both receive high-resolution signals up to 24 bits / 192kHz. Music streaming via Bluetooth® is also provided for, including the high-quality audio standard aptX™, of course. Supplementing the Direkt 800 BT with an active subwoofer isn't a problem either, thanks to the Sub out port. The Class D amplifier stage delivers a full 45 watts RMS per stereo channel to the two 2-way systems. The 2-digit 14-segment display on the front panel gives clear information about the input selected, volume and so on. Also located here is the receiver for the handy remote control provided.

#### A REAL DIREKT AT HEART

The HECO Direkt range is not only famous for its exceptional design. It is the concise, open and extremely vivid sound that thrills Direkt listeners around the world. It goes without saying that the Direkt 800 BT is also committed to this tradition. With rich dynamics and its openhearted playback, the Direkt 800 BT sets new sound standards for Bluetooth speakers. It represents the hi-fi counterpoint to markedly compact and design-oriented mini-systems with their compromises in terms of sound. The modest enclosure depth of the Direkt 800 BT guarantees its high practicality despite the wide, high front. This means it is not only ideal as an excellent sounding stereo Bluetooth speaker but, rather, also as a high-power TV speaker or practical all-in-one solution with a record player or other analogue or digital source.



Optical and coaxial digital input for direct connection of digital audio devices (e. g. TV).

Another highlight: analogue stereo input (Cinch R/L) with switchable phono preamplifier for direct connection of a record player with magnet system (MM).

Music streaming via Bluetooth® with the high-end audio standard Qualcomm® aptX™ from your mobile devices.

MUSICSTREAMING  
VIA BLUETOOTH®:  
MOBILE PHONE/  
TABLET-PC ETC.



DIRECT CONNECTION OF:



CD-PLAYER



SUBWOOFER



RECORD PLAYER



TV



PORTABLE  
GERÄTE



HECO DIREKT 800 BT

<b>Principle</b>	2 way stereo bass reflex, active
<b>Equipment</b>	2 x 1" dome tweeter , 2 x 5" woofer-midrange
<b>Power output (RMS/max.)</b>	2 x 45 / 2 x 100 watts
<b>Frequency Response</b>	35 - 40 000 Hz
<b>Cabinet surface</b>	Black semi-matt lacquer finish White semi-matt lacquer finish
<b>Dimensions (WxHxD)</b>	480 x 320 x 228 mm

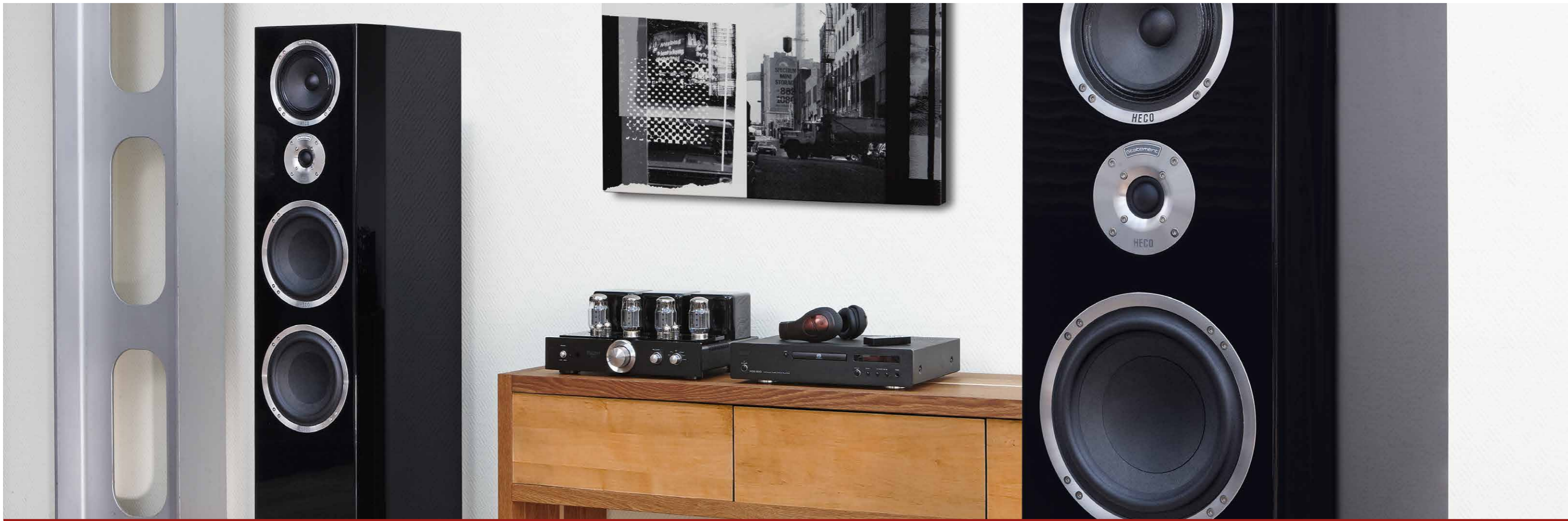


Black, semi-matt  
(Front grille black)



White, semi-matt  
(Front grille grey)





## HECO THE NEW STATEMENT - The best from over 65 years of experience in speaker construction



HECO's flagship model, namely „The New Statement“, combines state-of-the-art measuring and testing methods with the best materials and decades of experience in the speaker construction industry.

### AT THE HEART OF THE SOUND - THE LEGENDARY AINiCo MIDRANGE DRIVER

Modern technology, legendary AINiCo magnetic material and laser-assisted measurements combine tried and tested components with new and virtually forgotten elements in one harmonious unit. Impressive dimensions, exquisite workmanship and a unique sound are characteristic features of „The New Statement“. HECO's flagship model has further enhanced the successful basic concept of its predecessor. It has given rise to numerous improvements, for example, in terms of dynamic response and the transparency of the sound pattern. Particular attention was paid here to the development of the speaker chassis, as it is critical to the overall sound. The midrange driver has been set in an open, aperiodically damped housing, which ensures an enhanced degree of spatiality for the sound pattern. The midrange chassis is also equipped with an AINiCo magnet.

This magnetic drive, which is extreme in every aspect, guarantees a wonderful, natural and precise reproduction of the midrange frequencies.

Bass reflex construction with screwed reflex ports and aluminium die cast flange



### PERFECT INTERACTION BETWEEN THE INDIVIDUAL CHASSIS

Two 200 mm long-throw woofers operate in the low frequency range below 200 Hz. Kraft paper has also been used here as the material for the cone. An inverted kraft paper dust cap provides the woofer chassis with additional rigidity. A long-throw rubber surround and the symmetrical double-ferrite drive enable the chassis to reproduce extremely low frequencies with high dynamics and precision. The treble range is handled by a selected High Energy Tweeter.

All aluminium die cast driver were developed in the HECO laboratory in Germany



The midrange is equipped with an AINiCo magnet

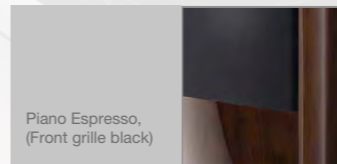
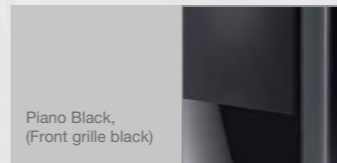
Thanks to its 30 mm dimensions, its oversized mount, a special geometry and weight distribution of the moving mass, its entire surface is used to generate sounds in the lower frequency range. Only a defined portion of the low-mass polyfibre compound dome operates in the highest frequency range. Copper caps in the drive reduce distortion factors and the tweeter flange, with its short horn function, reduces sound-impairing edge reflections and harmonises the acoustic transition to the midrange.



Legendary sound – the AlNiCo drive ensures the lowest possible distortions and amazingly natural reproduction of mid-range tones

Optimised to give a long stroke – hardened papercone; inverse kraft paper dust cap; 32 mm voice-coil; long-throw surround

Selected tweeter with nano-particle coated 30 mm dome tweeter, aluminium front-plate with short horn attempt, double-magnet system and damped resonance chamber



**GERMAN CUTTING EDGE TECHNOLOGY IN EVERY DETAIL**

The terminal area with its large gold-plated terminals is not only suitable for tri-wiring or tri-amping configurations, as it also offers a range of customisation options. An important feature is the completely redeveloped crossover with impedance linearisation function, which has been elaborately designed for „The New Statement“ and equipped with closely toleranced components, such as MKP capacitors and MOX resistors. To ensure the speaker has optimum protection from vibrations it is accommodated on solid metal spikes and a base plate with an absorbent damping element. The housing of „The New Statement“ consists of MDF panels with elaborate internal bracing. The front grille is secured in place with a number of small, integrated high-performance neodymium magnets. Despite bearing „new“ in its name, „The New Statement“ is a synthesis of both proven and entirely new technologies, and is a tribute to the experience gained in the speaker construction industry!

The tri-wiring terminal with large gold-plated and insulated terminals as well as level adjustment for high and midrange tones

Heavy height-adjustable solid metal spikes

The AlNiCo midrange drive unit is located in an open, non-resonant enclosure, enabling it to function entirely free of compression



<b>Principle</b>	3 way bass reflex floorstanding speaker
<b>Equipment</b>	2 x 8" W/6.5" M/1" T
<b>Power Handling (RMS/max.)</b>	300/500 watts
<b>Impedance</b>	4 - 8 ohms
<b>Frequency response</b>	18 - 52 000 Hz
<b>Crossover frequency</b>	230/3 200 Hz
<b>Sensitivity</b>	93 dB
<b>Cabinet surface</b>	Piano Black, Piano Espresso
<b>Dimensions (WxHxD)</b>	292 x 1245 x 450 (480 incl. Terminal) mm

**The New Statement**



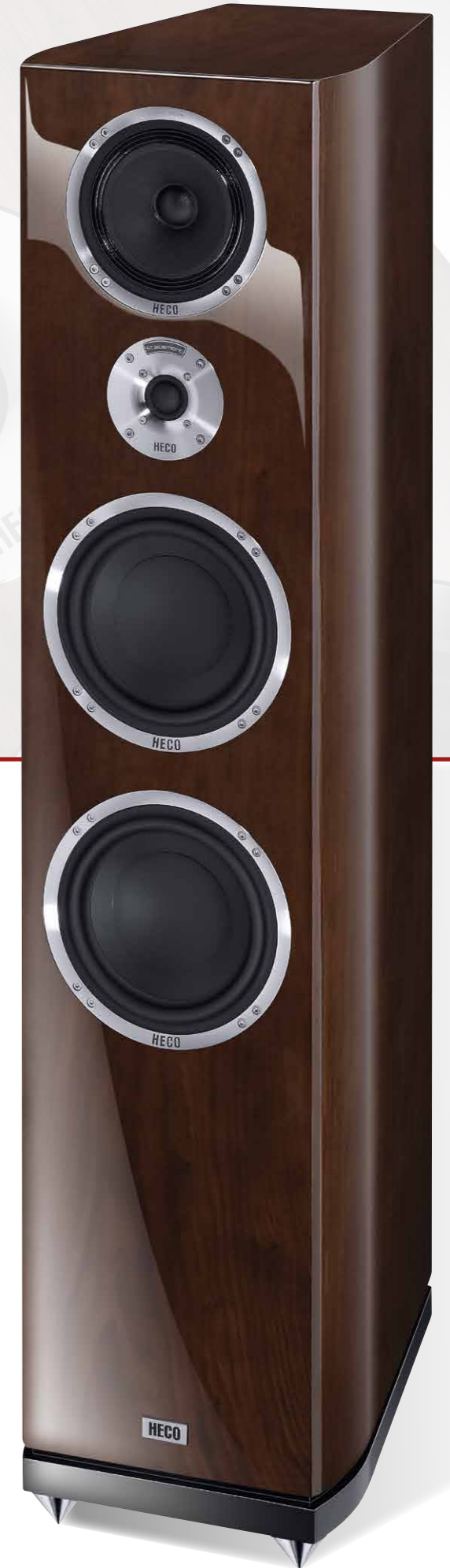
Highlight 09/12



Price/performance: Outstanding 01/13



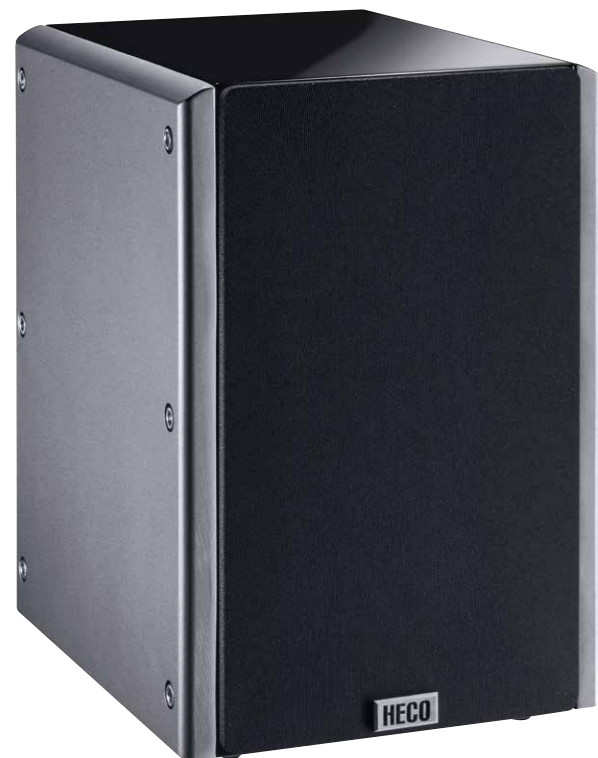
Excellent 01/13





## HECO TRESOR

High-end bookshelf loudspeaker with a particularly solid enclosure



A sturdy, low-resonance enclosure is the foundation on which the qualities of a good loudspeaker are built. The enclosure not only provides a volume of air for the bass, ideally it also holds the loudspeaker chassis firmly in place and ensures that they can follow the music signal with absolute precision and free of unwanted vibrations. The ideal loudspeaker enclosure is therefore of a heavy, sturdy design - a principle that is implemented perfectly in our HECO Tresor high-end compact loudspeaker.

### AS SOLID AS A SAFE

The enclosure of the HECO Tresor basically consists of a high-gloss and very sturdily constructed MDF body. This would be quite enough for most high-end speakers but, with the HECO Tresor, we have gone even further. The largest side walls, and therefore the most physically susceptible to vibrations, have been provided with additional reinforcement by way of an aluminium profile developed specifically for this speaker. The two die-cast elements have multiple strutting on the inside and are braced with the MDF body via damping elements made of special fine-pored foam. This solid material mix brings the ultimate degree of calm to the housing of the whopping 8.2 kg HECO Tresor and lays the foundation for the high-precision work of the two loudspeaker chassis.

### HECO CHASSIS IN PERFECT SURROUNDINGS

The fact that the two loudspeaker chassis have been designed and coordinated specially for the HECO Tresor is clearly demonstrated by the number of screw fittings. To ensure that the two precision transducers fully enjoy the solidity of their working environment, the tweeter is firmly anchored in the baffle with 10 and the mid-bass driver with 12 screws. In technological terms, the 2-way team benefits from all the finesses of the HECO laboratory. The solid aluminium front panel of the tweeter features the computer-optimized Fluktus geometry, which perfects the dispersion characteristics of the 30 mm silk-compound fabric dome. The bass-midrange driver has a die-cast aluminium basket to avoid it having a 'life of its own'. It has numerous vents on the rear of the membrane, where compression and flow losses need to be avoided. Sound dispersion is taken care of by a lightweight HECO kraft paper membrane. Its heavy-duty voice coil and the powerful drive system ensure absolute control for each individual movement.

### PRECISION, MUSICALITY AND RELAXATION

With its solid design and our finest chassis technology, the HECO Tresor offers ideal conditions for the best sound with the highest possible reproduction precision. The fact that the compact loudspeaker takes this promise seriously is, interestingly enough, demonstrated less in the fundamental duties and obligations of a good loudspeaker and more in its well-balanced tonality and distinct attention to detail. It is, rather, the optional and additional features that underline the qualities of the HECO Tresor. It produces an extremely realistic, substantial and stable spatial projection of the soundscape. Its bass reproduction - a critical discipline for every loudspeaker enclosure in mechanical terms - is absolutely crisp and precise. Thanks to our technologies, the Tresor also presents the virtues that HECO owners appreciate so much throughout the world: lots of sound details, as well as even more enjoyment of the music. Coupled with the extraordinary composure the thoroughly solid structure brings to its soundscape, the HECO Tresor is a genuine compact speaker for connoisseurs.



The extremely robust cabinet construction with a material mix of solid MDF and aluminium casting metal parts as well as the drivers with 10/12 screw fixings for resonance-free anchoring in the baffle are the optical highlights of HECO Tresor.

The new Fluktus tweeter with 30 mm silk-compound dome and the performance-optimised woofer-midrange with HECO Kraft paper cone provide a natural and neutral sound.

The bass reflex construction with airflow-optimised reflex tube and high-quality aluminium connecting terminal with solid, gold-plated and capsulated screw connectors array the back of this high-end bookshelf speaker.



#### HECO Tresor

<b>Principle</b>	2 way, bass reflex
<b>Equipment</b>	1 x 5.25" woofer-midrange, 1 x 1.2" dome-tweeter
<b>Power Handling (RMS/max.)</b>	80/140 watts
<b>Impedance</b>	4 – 8 ohms
<b>Frequency response</b>	35 – 48 000 Hz
<b>Crossover frequency</b>	3 500 Hz
<b>Sensitivity</b>	90 dB
<b>Cabinet surface</b>	Body: Piano Black, Side panels: Titanium
<b>Dimensions (WxHxD)</b>	202 x 298 x 282 mm 202 x 298 x 282 mm incl. terminal and feet



# HECO CELAN REVOLUTION

## Visual and sound revolution of an audiophile legend

The HECO Celan range has been thrilling music lovers and home cinema fans around the world for three generations now. However, rather than rest on their laurels, our design and development team wanted to create a unique, standalone loudspeaker family in the fourth generation as a worthy successor to the legendary Celan GT Series – the Celan Revolution.

### LIVING UP TO A GREAT NAME

Like its predecessor, the newly developed top speaker range from HECO also answers to the name Celan. However, the new “Revolution” suffix to the name makes it clear that the latest generation represents a fundamental further development of the predecessor models. The goal was to completely reinvent the Celan! Ultimately, this ambitious objective is reflected in the overall acoustic performance as well as the new design concept. The distinctive enclosure with its elegantly angled top and the dominant base brackets of the two floor-standing speakers lends this new flagship range a true individuality and the claim to a new milestone in HECO’s loudspeaker history.

### LOUDSPEAKER DESIGN AWAY FROM THE MAINSTREAM

The most important elements on the way to the new Celan Revolution design are the angled top with the embedded metal logo as well as the rounded sides with the housing tapered to the rear. Another key design element of the floor-standing loudspeakers are the sturdy aluminium base brackets, which are more than just a visual eye-catcher. Their solid spikes are height-adjustable, with interchangeable tips ensuring acoustically ideal coupling on all floors. The broad base also guarantees particularly good stability. The new Celan Revolution design is rounded off by elegant surfaces made from selected real wood veneer or high-quality lacquer finishes as well as invisible fastening of the front cover via integrated magnets.

Newly developed chassis for highest audiophile performance  
All of the loudspeaker chassis were newly developed specially for the Celan Revolution range and optimised to suit the acoustic concept – using, among other things, the Klippel measuring system recognised throughout the industry. The most important new development in the chassis family is the 30 mm high-energy tweeter with the new HECO Fluktus front panel geometry. The special second-generation dome tweeter produces especially well-balanced and harmonious dispersion characteristics at all angles thanks to the computer-optimised multi-wave front panel.

In addition, the tweeter is highly resilient with great level stability due to cooling with acoustic ferrofluid and a powerful ferrite double magnet system – taking over music reproduction from a frequency of around 2,800 Hz. Operating below the tweeter in the 3-way models is a pure midrange chassis optimised for full-range reproduction and featuring a particularly lightweight HECO kraft paper membrane that has proven itself over a period of decades. Newly developed phase-optimising dust caps are also used in all models. In the floor-standing loudspeakers, the low and upper bass frequencies are taken care of by Klippel-optimised bass drivers with highly resilient voice coils in a long-excursion as well as linear operating drive system. The midrange drivers have also undergone the same optimisation measures. In addition, substantial wall thicknesses and multiple bracing inside the solid MDF enclosure ensure the best working conditions for the drivers in all models. The result is harmonious interaction combined, at the same time, with very high dynamics and lowest distortion for all imaginable styles of music.





# HECO CELAN REVOLUTION

Celan Revolution 9



Solid construction using MDF panels and elaborated struttings, rounded side panels and elegantly angled top side.

New Fluktus tweeter with 30 mm PFC dome and computer-optimised multi-corrugated front panel for perfect dispersion characteristics.

Midrange with HECO kraft paper cone, new developed POC-dust-cap (Phase Optimisation Cap).



## HI-FI ENJOYMENT MEETS HOME CINEMA FUN

It goes without saying that home cinema fans have also been considered in the design of the new Heco Celan Revolution range! In addition to two floor-standing loudspeakers and a shelf-top speaker which is, of course, ideally suited as a rear speaker, the Celan Revolution range is rounded off by a visually and acoustically matching centre speaker and a powerful active subwoofer. The frontfire subwoofer continues the styling of the new speaker range and delivers impressive low-bass reproduction thanks to the Class D power amp with an output of up to 500 watts and its 300 mm long-excursion woofer, which is also Klippel-optimised.



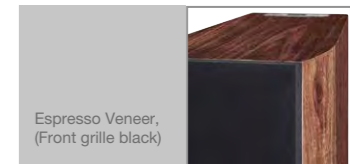
Woofer and midrange with HECO kraft paper cone for audiophile music reproduction.

Solid aluminium cross beams with height-adjustable massive metal cone spikes.

State-of-the-Art floorstanding speaker with dual bass, optimised for broadband fine-resolution sound.

Bass reflex construction with two airflow-optimised and screwed reflex tubes and aluminium flanges.





**Celan Revolution 9**

**Celan Revolution 7**

**Celan Revolution 3**

**Celan Revolution Center 4**

**Celan Revolution Sub 32A**

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 8" W/6.5" M/1" T  
**Power Handling (RMS/max.)** 280/450 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 19 - 52 000 Hz  
**Crossover frequency** 230/2 800 Hz  
**Sensitivity** 93 dB  
**Cabinet surface** Piano Black, White Satin, Espresso Veneer  
**Dimensions (WxHxD)** 277 x 1205 x 415 mm  
**Incl. terminal and feet** 374 x 1272 x 440 mm

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 6.5" W/6.5" M/1" T  
**Power Handling (RMS/max.)** 220/350 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 21 - 52 000 Hz  
**Crossover frequency** 250/2 800 Hz  
**Sensitivity** 92 dB  
**Cabinet surface** Piano Black, White Satin, Espresso Veneer  
**Dimensions (WxHxD)** 240 x 1157 x 360 mm  
**Incl. terminal and feet** 320 x 1182 x 390 mm

**Principle** 2 way bass reflex bookshelf speaker  
**Equipment** 6.5" WM/1" T  
**Power Handling (RMS/max.)** 100/160 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 30 - 52 000 Hz  
**Crossover frequency** 2 800 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Piano Black, White Satin, Espresso Veneer  
**Dimensions (WxHxD)** 240 x 412 x 330 mm  
**Incl. terminal and feet** 240 x 420 x 360 mm

**Principle** 2 way bass reflex center speaker  
**Equipment** 2 x 6.5" WM/1" T  
**Power Handling (RMS/max.)** 120/180 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 30 - 52 000 Hz  
**Crossover frequency** 2 800 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Piano Black, White Satin, Espresso Veneer  
**Dimensions (WxHxD)** 598 x 205 x 330 mm  
**Incl. terminal and feet** 598 x 212 x 360 mm

**Principle** Active bass reflex subwoofer  
**Equipment** 12" woofer  
**Power Handling (RMS/max.)** 280/500 watts (power output)  
**Impedance** -  
**Frequency response** 18 - 150 Hz  
**Crossover frequency** 50 - 150 Hz, adjustable  
**Sensitivity** -  
**Cabinet surface** Piano Black, White Satin, Espresso Veneer  
**Dimensions (WxHxD)** 400 x 590 x 520 mm  
**Incl. terminal and feet** 400 x 610 x 535 mm



# HECO ELEMENTA

## Powerful loudspeaker series with an elegant appearance

The Elementa series from HECO (which stems from "Elementum" – Latin for "element" and "base material") is focused on the basics and essentials, namely: High quality and powerful surround components with excellent technology, an extremely sturdy build quality and an elegant, yet timeless visual appearance.

### INNOVATIVE SPEAKER CHASSIS FOR MAXIMUM PERFORMANCE

The individual components in the Elementa series are largely configured with identical speaker chassis to realize a particularly homogeneous and balanced soundscape. In addition, the individual woofers, bass-midrange speakers and tweeters utilize innovative drivers that are of a particularly high quality. Long fiber cones with long-throw surrounds, which have been specifically optimized for low-distortion reproduction, are used to cater for the low and mid-range frequencies. The lightweight design enables an extremely high degree of precision to be achieved, as well as an excellent level of efficiency.

The treble range is reproduced by all of the Elementa speakers via a 28 mm silk compound dome, which, thanks to its ferrofluid cooling and powerful double ferrite magnet system, exhibits a very high load capacity. The Wave Control geometry used for the aluminum front panel ensures perfect development of the high frequencies, as well as superior transparency and spatiality.

In addition to the 300 mm woofer with its hardened paper cone, the Elementa Sub 3830A is also equipped with an additional 380 mm long-throw bass radiator.

This allows the subwoofer to achieve a particularly broad sub-bass spectrum and develop a huge degree of force in the subsonic frequency range. The woofer and bass radiator operate according to the side-fire principle.

Solid, aerodynamic aluminium die-cast baskets which have a diamond polished surface



15" high-power long-throw woofer with hardened paper cone, high-performance voice-coil and powerful ferrite magnet system



Solid aluminium cross beams with height-adjustable massive metal cone spikes

### ELEGANT AND TIMELESS

The essentials are also in focus when it comes to the design of HECO's Elementa series: The Elementa speaker components, all of which feature a sturdy, multi-braced MDF housing with rounded edges and a silk-matt lacquer finish, are provided with an extremely elegant appearance in a timeless, conventional design. The bass reflex configurations are provided with flow-optimized and screwed reflex ports, while the removable front grilles, which are covered with acoustic material, are inconspicuously secured in place via magnetic mounts. The exclusive look of the floorstanding speakers is rounded-off by aluminum cross members with solid metal cone spikes.





**Elementa 700**

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 6.5" W/6.5" M/1" T  
**Power Handling (RMS/max.)** 200/300 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 25 - 45.000 Hz  
**Crossover frequency** 280 Hz, 3.200 Hz  
**Sensitivity** 92 dB  
**Cabinet surface** Black satin, White satin  
**Dimensions (WxHxD)** 310 x 1135 x 370 mm incl. terminal



PlusXAward 2017



Price-Performance:  
 Very Good 01/17  
 (2x 700, 2x 300,  
 Center & Sub)



Soundtip 4-5/17  
 (2x 700, 2x 300,  
 Center & Sub)



**Elementa 300**

2 way bass reflex floorstanding speaker  
 6.5"WM/1" T  
 90/150 watts  
 4 - 8 ohms  
 32 - 45.000 Hz  
 3.200 Hz  
 90 dB  
 Black satin, White satin  
 226 x 368 x 325 mm incl. terminal



HiFi-Choice 03/17 - UK



Lite-Magazin 06/17



Price-Performance: Very Good 01/17  
 (2x 700, 2x 300,  
 Center & Sub)



Soundtip 4-5/17  
 (2x 700, 2x 300,  
 Center & Sub)



**Elementa Center 30**

2 way bass reflex center speaker  
 2 x 5.25" WM/1" T  
 110/170 watts  
 4 - 8 ohms  
 33 - 45.000 Hz  
 3 200 Hz  
 90 dB  
 Black satin, White satin  
 510 x 178 x 296 mm incl. terminal



Price-Performance: Very Good 01/17  
 (2x 700, 2x 300,  
 Center & Sub)



Soundtip 4-5/17  
 (2x 700, 2x 300,  
 Center & Sub)



**Elementa Sub 3830 A**

Powered compact subwoofer with 15" bass-radiator  
 12" woofer/15" bass-radiator  
 275/450 watts (power output)  
 -  
 18 - 150 Hz  
 50 - 150 Hz, adjustable  
 -  
 Black satin, White satin  
 352 x 516 x 546 mm incl. terminal



Price-Performance: Very Good 01/17  
 (2x 700, 2x 300,  
 Center & Sub)



Soundtip 4-5/17  
 (2x 700, 2x 300,  
 Center & Sub)



Black satin,  
 (Front grille black)



White satin,  
 (Front grille black)



## HECO ALEVA GT – Power and elegance in perfect harmony

Timeless designs, perfectly lacquered surfaces and, of course, a perfectly balanced, precise sound have made the Aleva series extremely popular with many music enthusiasts. These attributes were the minimum requirements that had to be fulfilled by HECO's engineers in developing the second generation of Aleva units, namely the Aleva GT.

### AN EXTREMELY LOW-RESONANCE MDF HOUSING IN AN ELEGANT HIGH-GLOSS PIANO FINISH

The solid panels and internal bracing that have been used for the cabinets of each Aleva GT unit ensure excellent low-resonance properties, while the crucial baffles used for all models are particularly thick at 25 mm. The clear stylistic elements together with a black or white piano lacquer finish creates an attractive visual appearance. In addition, the generously sloped sides of the baffle optimise acoustic properties by reducing edge reflections. Screwed, flow-optimised bass reflex tubes at the rear of the housing ensure a powerful and distortion-free bass response. Connectivity is provided by connecting terminals with gold-plated and insulated screw connections, which are compatible with bi-wiring and bi-amping configurations.

Phase- and amplitude-corrected crossovers - which are complemented in the floorstanding speakers by an optional treble adjustment function - ensure an above-average acoustic performance.

Newly developed speaker chassis with aluminium die-cast baskets and front panels

### AN IMPRESSIVE ACOUSTIC PERFORMANCE OVER THE ENTIRE FREQUENCY RANGE

All of the chassis used for the Aleva GT series have been completely redeveloped, while the state-of-the-art 130 mm bass-midrange driver, which has been integrated in these chassis, has been entrusted with a central and particularly important role. Five different versions are available in total, with each being perfectly optimised in terms of its frequency range. Aerodynamically formed, diamond cut aluminium die-cast baskets, durable rubber surrounds and cones manufactured from tried and tested HECO kraft paper are naturally also incorporated in the new Aleva GT series.

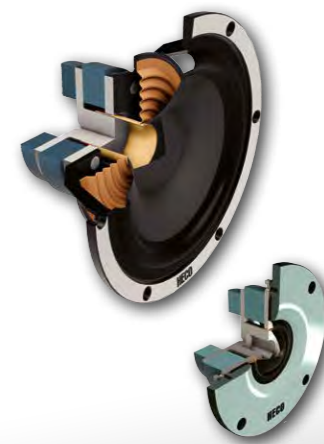


The flagship model, namely the Aleva GT 1002, also features a heavy-duty 250 mm woofer in the side panel for an enhanced bass response. The dome tweeter has also been redesigned according to state-of-the-art developments. The short horn attachment accommodated in the diamond-cut aluminium front panel, the powerful double magnet system and the particularly wide surround ensure a high loading capacity, excellent dynamics at all volumes and a harmonious sound pattern.

### HECO ALEVA GT - A SOFT SPOT FOR FILM BUFFS

This high quality series from HECO has naturally also been developed with film buffs in mind! In addition to three floorstanding speakers and the Aleva GT 202 shelf speaker, which is ideal for rear surround sound, the series also includes a magnetically shielded centre speaker and the powerful Aleva GT 322 A active subwoofer. While the side-firing active subwoofer has been designed in keeping with the slim-line style of the series, it doesn't disappoint when it comes to generating an impressive deep bass response, which can be attributed to its 320 watt power amplifier with active frequency response equalization, 300 mm long-throw woofer and aerodynamically rounded reflex ports.

Aerodynamically rounded, screwed bass reflex tubes with Bi-wiring/bi-amping connecting terminal with gold-plated and insulated screw connectors



The cut drawings of the midrange and tweeter clearly show the extensive development made





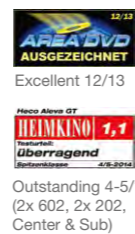
**Aleva GT 602**

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 5.25" W/5.25" WM/1.1" T  
**Power Handling (RMS/max.)** 180/320 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 27 - 42 000 Hz  
**Crossover frequency** 350/3 400 Hz  
**Sensitivity** 91 dB  
**Cabinet surface** Piano Black, Piano White  
**Dimensions (WxHxD)** 207 x 1100 x 350 mm



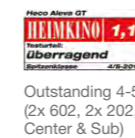
**Aleva GT 202**

**Principle** 2 way bass reflex bookshelf speaker  
**Equipment** 5.25" WM/1.1" T  
**Power Handling (RMS/max.)** 80/140 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 36 - 42 000 Hz  
**Crossover frequency** 3 400 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Piano Black, Piano White  
**Dimensions (WxHxD)** 207 x 320 x 280 mm



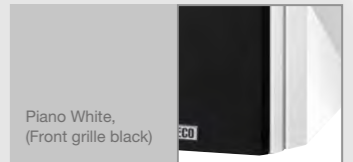
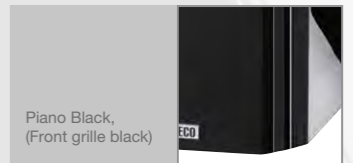
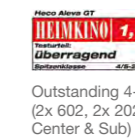
**Aleva GT Center 32**

**Principle** 2 way bass reflex center speaker  
**Equipment** 2 x 5.25" WM/1.1" T  
**Power Handling (RMS/max.)** 100/160 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 35 - 42 000 Hz  
**Crossover frequency** 3 400 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Piano Black, Piano White  
**Dimensions (WxHxD)** 510 x 180 x 280 mm



**Aleva GT Sub 322 A**

**Principle** Active bass reflex subwoofer  
**Equipment** 12" woofer  
**Power Handling (RMS/max.)** 180/320 watts (power output)  
**Impedance** -  
**Frequency response** 20 - 150 Hz  
**Crossover frequency** 50 - 150 Hz, adjustable  
**Sensitivity** -  
**Cabinet surface** Piano Black, Piano White  
**Dimensions (WxHxD)** 290 x 500 x 464 mm





## HECO AURORA – Exclusive speaker series with innovative technology and a modern appearance

Besides the Roman goddess and the northern and southern polar lights, the name Aurora now also lends itself to maximum acoustic performance. HECO's current speaker family is characterized by newly developed components and innovative technology, and it offers the discerning listener excellent sound characteristics in both stereo operation with high-quality music reproduction, as well as in a fully-fledged surround setup with movie soundtracks.

What's more, the Aurora series is not only pleasing to the ear, but to the eye as well. A combination of modern wood decor and a high-quality silk matte lacquer finish, which adorns the baffle and top of the speakers, simultaneously provides a very modern appearance and timeless elegance. To ensure the sound transducers look the part in any living environment, they are available in both an "ebony black" and "ivory white" lacquer finish. The acoustic fabric grille is invisibly attached to the baffle with magnets to ensure there's nothing to tarnish the overall visual appearance.

### NEW SERIES TWEETER FOR PERFECT DISPERSION

The new Fluctus tweeter is used by all of the components in the Aurora series (with the exception of the powerful active subwoofer). The new HECO tweeter ensures perfect dispersion properties thanks to its 28 mm silk compound dome and computer-optimized multi-wave front panel.



Woofer and midrange with HECO kraft paper membranes for neutrality and natural tones

This not only results in a completely balanced and harmonious integration of the center speaker in a surround setup, but also guarantees an overall coherent and enclosed sound stage as well as a broad sweet spot in every situation. The tweeter is extremely resilient due to its ferrofluid cooling and it is also equipped with a powerful ferrite double magnet system.



New Fluctus tweeter with 28 mm fabric dome and computer-optimised multi-corrugated front panel for perfect dispersion characteristics



Solid aluminium cross beams with height-adjustable massive metal cone spikes

### BASS POWER IN A TRIED AND TESTED MANNER

Tried and tested HECO kraft paper cones, which have been specially optimized for distortion-free playback and provided with longthrow surrounds and resilient voice coils, are used as a basis for the woofers in the entire series. These cones are utilized in a double configuration in the floorstanding speakers and a generously dimensioned 30 cm cone is used for the subwoofer. The woofers and midrange speakers, which are accommodated in sturdy and coated steel baskets, are provided with decorative rings that are secured in place with 8 and 6 screws respectively.

In addition, the housing has been constructed in a very sturdy manner and is braced at multiple locations. The floorstanding speakers, which are accommodated on solid crossbeams, can be adjusted to suit requirements via the height-adjustable metal cone spikes.



Aurora 700



**Aurora 1000**

**Principle** 3 way bass reflex floorstanding peaker  
**Equipment** 2 x 8" W/6.5" M/1" T  
**Power Handling (RMS max.)** 230/380 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 22 - 42 500 Hz  
**Crossover frequency** 260/3 300 Hz  
**Sensitivity** 93 dB  
**Cabinet surface** Ebony black, Ivory white  
**Dimensions (WxHxD)** 305 x 1258 x 393 mm

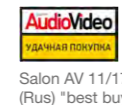


very good  
06/18



**Aurora 700**

**Principle** 3 way bass reflex floorstanding peaker  
**Equipment** 2 x 6.5" W/6.5" M/1" T  
**Power Handling (RMS max.)** 200/300 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 25 - 42 500 Hz  
**Crossover frequency** 290/3 300 Hz  
**Sensitivity** 92 dB  
**Cabinet surface** Ebony black, Ivory white  
**Dimensions (WxHxD)** 265 x 1158 x 343 mm



Salon AV 11/17  
(Rus) "best buy"



HEIMKINO 6-8/18  
(2x 700, 2x 300,  
Center & Sub 30A)



**Aurora 300**

**Principle** 2 way bass reflex bookshelf speaker  
**Equipment** 6.5" WM/1" T  
**Power Handling (RMS max.)** 80/150 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 32 - 42 500 Hz  
**Crossover frequency** 3 300 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Ebony black, Ivory white  
**Dimensions (WxHxD)** 195 x 357 x 333 mm



SFT 08/18 Very Good  
(2x 700, 2x 300,  
Center & Sub 30A)



HEIMKINO 6-8/18  
(2x 700, 2x 300,  
Center & Sub 30A)



**Aurora Center 30**

**Principle** 2 way bass reflex center speaker  
**Equipment** 2 x 5" WM/1" T  
**Power Handling (RMS/max.)** 90/150 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 34 - 42 500 Hz  
**Crossover frequency** 3 300 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Ebony black, Ivory white  
**Dimensions (WxHxD)** 490 x 177 x 303 mm



SFT 08/18 Very Good  
(2x 700, 2x 300,  
Center & Sub 30A)



HEIMKINO 6-8/18  
(2x 700, 2x 300,  
Center & Sub 30A)



**Aurora Sub 30 A**

**Principle** Active bass reflex subwoofer  
**Equipment** 12" woofer  
**Power Handling (RMS max.)** 125/250 watts (power output)  
**Impedance** -  
**Frequency response** 20 - 150 Hz  
**Crossover frequency** 50 - 150 Hz, adjustable  
**Sensitivity** -  
**Cabinet surface** Ebony black, Ivory white  
**Dimensions (WxHxD)** 350 x 465 x 445 mm



SFT 08/18 Very Good  
(2x 700, 2x 300,  
Center & Sub 30A)



HEIMKINO 6-8/18  
(2x 700, 2x 300,  
Center & Sub 30A)







# HECO VICTA PRIME

## Ascent to the premium audio range

HECO places a high demand on the dynamic and distortion-free reproduction of an acoustic signal, regardless of whether it's from music or a film. HECO's Victa Prime series, which is the latest addition to its continuously enhanced Victa range, is now available with even more features and structural details from its high-end models.

### EXCELLENT INTERACTION BETWEEN SOPHISTICATED TECHNOLOGIES

The quality of the woofer and midrange is crucial for the sound quality of a speaker. One element that comes under particular scrutiny here is the cone that is used for the driver. Long-fibre paper cones have been used for the bass-midrange units and their inverted dust caps.



This is a material that is characterised by an excellent low weight/high damping ratio. A rich bass and transparent sound pattern is enabled in conjunction with powerful, high-quality ferrite magnets and heavy-duty voice coils. The mounting ring, which is screwed to the housing in six or eight places depending on the model, is now more solid. The 25 mm silk dome, which features ferrofluid cooling for improved power handling, has a short horn attachment for enhanced transition to the midrange. An amplitude and phase-optimised crossover is responsible for the harmonious interplay of the individual chassis.

### HIGH QUALITY AESTHETICS AND EXCELLENT WORKMANSHIP IN EVERY DETAIL

The rounded sides have been meticulously manufactured from layers of glued and moulded MDF panels. The housing construction is thereby more stable with reduced resonance. This results in a low-resonance structure which offers optimum conditions for the chassis and bass reflex coordination. The floorstanding speakers are also equipped with a solid MDF base plate. The terminal area has been completely redesigned

to ensure more space for the gold-plated and encapsulated connecting terminals. Damping rubber feet are included in delivery and the floorstanding speakers are also provided with height-adjustable metal spikes.

Finely-tuned bass-midrange with long fibre-paper cone and a powerful ferrite magnet and 1" tweeter

The Victa Prime models, which are designed as bass reflex systems for a powerful and precise reproduction of the bass range, generate additional pressure via specially formed and screwed reflex ports.

### HOME CINEMA ENJOYMENT AT A VICTA PRIME LEVEL

The magnetically shielded centre speaker, which exhibits a double woofer configuration, and the subwoofer, which is equipped with its own power amplifier, enable home cinema enjoyment at a Victa Prime level. Besides the above mentioned features, all of the chassis are naturally also subjected to a fine tuning process with the help of our Klippel® laser measuring and analysis system, after which they are coordinated in final listening and practical tests. The Victa Prime series once again demonstrates the enhanced possibilities

New terminal area of a fundamentally correct concept with encapsulated and gold-plated screw terminals

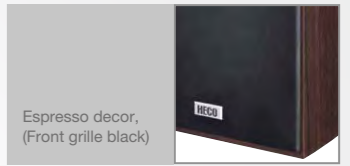
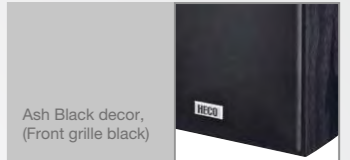


Same as for HECO's premium series: Screwed (!) reflex tube with flow-optimised profile

Solid metal spikes or optional rubber pucks



Victa Prime 702



**Victa Prime 702**

**Victa Prime 602**

**Victa Prime 502**

**Victa Prime 302**

**Victa Prime 202**

**Victa Prime Center 102**

**Victa Prime Sub 252 A**

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 6.5" W/6.5" M/1" T  
**Power Handling (RMS/max.)** 170/300 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 25 - 40 000 Hz  
**Crossover frequency** 350/3 250 Hz  
**Sensitivity** 91 dB  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 203 x 1052 x 315 mm

**Principle** 3 way bass reflex floorstanding speaker  
**Equipment** 2 x 5" W/2 x 5" M/1" T  
**Power Handling (RMS/max.)** 160/280 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 26 - 40 000 Hz  
**Crossover frequency** 450/3 250 Hz  
**Sensitivity** 91 dB  
**Cabinet surface** Ash Black Decor, Espresso deco  
**Dimensions (WxHxD)** 205 x 1058 x 250 mm (incl. base-plate)

**Principle** 2 1/2 way bass reflex floorstanding speaker  
**Equipment** 6.5" W/6.5" WM/1" T  
**Power Handling (RMS/max.)** 145/265 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 28 - 40 000 Hz  
**Crossover frequency** 380/3 250 Hz  
**Sensitivity** 91 dB  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 203 x 977 x 315 mm

**Principle** 2 way bass reflex bookshelf speaker  
**Equipment** 6.5" WM/1" T  
**Power Handling (RMS/max.)** 85/150 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 33 - 40 000 Hz  
**Crossover frequency** 3 250 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 203 x 347 x 315 mm

**Principle** 2 way bass reflex bookshelf speaker  
**Equipment** 5" WM/0.75" T  
**Power Handling (RMS/max.)** 65/110 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 35 - 40 000 Hz  
**Crossover frequency** 3 300 Hz  
**Sensitivity** 89 dB  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 167 x 265 x 235 mm

**Principle** 2 way bass reflex center speaker  
**Equipment** 2 x 5" WM/0.75" T  
**Power Handling (RMS/max.)** 85/150 watts  
**Impedance** 4 - 8 ohms  
**Frequency response** 35 - 40 000 Hz  
**Crossover frequency** 3 300 Hz  
**Sensitivity** 90 dB  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 482 x 157 x 265 mm

**Principle** Active bass reflex subwoofer  
**Equipment** 10" woofer  
**Power Handling (RMS/max.)** 100/200 watts (power output)  
**Impedance** -  
**Frequency response** 22 - 200 Hz  
**Crossover frequency** 50 - 200 Hz, adjustable  
**Sensitivity** -  
**Cabinet surface** Ash Black Decor, Espresso decor  
**Dimensions (WxHxD)** 318 x 450 x 405 mm



Outstanding 03/13



Outstanding 2-3/14  
(4x 302, Center & Sub)



Outstanding 2-3/14  
(4x 302, Center & Sub)



Outstanding 2-3/14  
(4x 302, Center & Sub)

# HECO MUSIC COLORS 100

Without compromise

Many music enthusiasts prefer compact speakers for aesthetic reasons. However, the majority of small speakers are designed to be used in free space within the room. When they are set up near to a rear wall on shelves or sideboards the sound can become blurred with little sense of a believable acoustic space being recreated and often with other less desirable room effects being added. These results are due to changes in the dispersion characteristics of a speaker system when used in a variety of different locations.

Reflections from the edges and sides of nearby furniture can subdue or even boost parts of the speakers' frequency response. A different philosophy has been deliberately adopted for the HECO Music Colors 100 series. All of the computer simulations, measurements and listening tests have been undertaken with the speakers being positioned on sideboards, within shelving systems as well as in awkward locations close to the rear wall. The knowledge gained during this development programme has given rise to a speaker whose appearance is somewhat different from the norm. The positioning of the bass reflex port on the loudspeaker enclosure was not chosen for cosmetic reasons, rather to take account of the specific dispersion characteristics a speaker has when close to a room boundary.

For an optimized output of low frequencies the bass reflex port is positioned at the front



The particular crossover configuration and the precise tuning of the bass reflex system are also optimised for a near wall location. In addition, the sophisticated components from HECO's high end series such as long-fibre paper cones for the bass-midrange and the 25 mm fabric dome tweeter were also incorporated.

However, the Music Colour 100 series should not only be seen as a logically developed, precision instrument. The speakers also set new class leading standards in terms of both build quality and appearance. The enclosures are not simple plastic mouldings but are crafted from genuine wood which exhibits more predictable and well controlled resonant properties. The speakers are available with in high gloss finish black or white.

Detachable cloth protection cover with magnetic fixing



The cut drawing shows the elaborate construction of the Music Colors 100



Music Colors 100

<b>Principle</b>	2 way bass reflex bookshelf speaker
<b>Equipment</b>	4.5" WM/1" T
<b>Power Handling (RMS/max.)</b>	70/120 watts
<b>Impedance</b>	4 - 8 ohms
<b>Frequency response</b>	38 - 35 000 Hz
<b>Crossover frequency</b>	2 800 Hz
<b>Sensitivity</b>	89 dB
<b>Cabinet surface</b>	Piano Black
<b>Dimensions (WxHxD)</b>	150 x 235 x 200 mm



Highlight 09/10



Excellent 05/11



Plus X Award 2010



Very Good 01/11

# HECO

## AMBIENT 5.1A

A reference class compact home cinema system

HECO's Ambient 5.1A home cinema system demonstrates that a high quality design and outstanding sound are not necessarily mutually exclusive. With its four compact satellite speakers, a matching centre speaker and a subwoofer that can be freely positioned in the room, the set is extremely unobtrusive in a living room setup. Closer scrutiny reveals the genuine class of the components.

### THE FINEST INGREDIENTS CREATE A SOLID FOUNDATION

All five speakers feature a low resonance, brushed aluminium housing and a fabric grille to protect the cones. The front and rear of each unit is provided with an elegant piano black finish. All of the satellite speakers are equipped with a removable 6 mm thick tempered safety glass base. In addition, the set also includes four practical wall brackets for the satellites. The connections are designed as gold-plated screw terminals.

### CUTTING EDGE TECHNOLOGY IN THE SMALLEST SPACE

The inner workings of a speaker are decisive when it comes to its acoustic performance. There hasn't been any compromise here at all, as numerous technical innovations have been adopted from HECO's high-end speakers. All of the speakers in the Ambient 5.1A set feature 2-way systems with specially developed 20 mm fabric dome tweeters and 75 mm bass-midrange drivers. The bass-midrange drivers, which have been optimised in terms of their bandwidth, feature long-fibre paper cones, long-throw surrounds and extremely resilient voice coils. The centre speaker is equipped with two of these drivers for optimum dynamics as well as additional magnetic shielding. The subwoofer, which caters for the low frequencies, features a down-firing base that maintains a defined distance to the ground. At the bottom of the housing is a 20 cm woofer with hardened paper cone, which is driven by the integrated power amplifier with a real time limiter to minimise distortion.



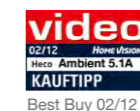
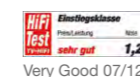
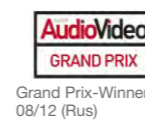
The level, crossover frequency and acoustic phase are adjustable and allow customisation with regard to positioning and overall sound. The front of the unit, which consists of solid, low resonance MDF panels, has been finished in a high-gloss piano black lacquer. The entire system has been coordinated using state-of-the-art measuring technology for both music and film material.



The cases on all five loudspeakers have been made of low-resonance brushed aluminium. The front and rear panels gleam in a sophisticated piano black finish.

Practical wall mount for the satellites included.

	CENTER	FRONT/REAR	SUBWOOFER
<b>Principle</b>	2 way center speaker	2 way speaker	bass reflex, downfire
<b>Equipment</b>	2 x 3" WM/0.75" T	3" WM/0.75" T	8" subwoofer
<b>Power Handling (RMS/max.)</b>	-	-	-
<b>Power Output (RMS/max.)</b>	60/120 watts	50/100 watts	60/120 watts
<b>Impedance</b>	4 - 8 ohms	4 - 8 ohms	-
<b>Frequency response</b>	80 - 34 000 Hz	80 - 34 000 Hz	28 - 200 Hz
<b>Crossover frequency</b>	3 600 Hz	3 600 Hz	50 - 200 Hz
<b>Sensitivity</b>	88 dB	88 dB	-
<b>Cabinet surface</b>	Black	Black	Black
<b>Dimensions (WxHxD)</b>	222 x 92 x 117 mm	90 x 155 x 117 mm	236 x 410 x 390 mm



# HECO NEW PHALANX

Depth, precision and reproduction perfectly combined

HECO is getting to the bottom of things by exploring the deepest realms of the frequency spectrum. With the New Phalanx active subwoofer, we have added flexible and tremendously powerful bass speaker with Class D high-performance amplifiers to our product range. The 300 mm bass driver includes an identically sized additional passive radiator for even better bass reproduction.

#### A POWERFUL BASS PACKAGE FOR ANY INTENDED USE

The HECO New Phalanx 302A with 300 mm bass driver and 400 watt maximum output as well as 18 Hz lower frequency crossover frequency) ensures excellent bass quality under any conditions. Equipped with an adjustable bass equalizer with setting range from 0 to + 6 dB, infinite controls for volume and crossover frequency as well as an active frequency response equalization in the low-bass range, the New Phalanx subwoofer is able to meet even the most demanding challenge. Stereo low-level inputs for connection to amplifiers without pre-amplifier output for active subwoofers ensures the greatest possible flexibility. Yet despite the impressive power the New Phalanx bass unit has in use – they only output less than 0.5 watt in standby mode.

#### TREMENDOUSLY SOLID AND VISUALLY CHIC

The best technology is of little benefit if the housing does not offer an equally impressive, first-class standard. HECO has therefore opted for an MDF housing with extremely solid design. The front and top are provided with elegant high-gloss paintwork in black. An ESD (Extended Surface Damper) ensures that the New Phalanx active subwoofer can stand reliably on any base.



Solid construction with front and top side in high-quality high-gloss lacquering.

High-performance Class-D power amplifier.



#### New Phalanx 302A

<b>Principle</b>	Powered compact-subwoofer with bassradiator
<b>Equipment</b>	12" active subwoofer 12" bassradiator
<b>Power Output (RMS/max.)</b>	250 / 400 watts
<b>Frequency Response</b>	18 - 150 Hz
<b>Crossover Frequencies</b>	50 – 150 Hz (adjustable)
<b>Cabinet surface</b>	Piano Black
<b>Dimensions (WxHxD)</b>	380 x 442 x 420 mm, 380 x 442 x 435 mm (incl. controls)



PlusXAward 2015



Best recommended 06/15



Very good 12/14  
(2x602, 2x202, 1xC32, New Phalanx 302 A)



Top Class 02/15  
(2x602, 2x102F, 1xC32, New Phalanx 302 A)



Test winner 03/15  
(2x602, 2x202, 1xC32, New Phalanx 302 A)



Top Class 04/15  
(2x602, 2x202, 1xC32, New Phalanx 302 A)



Outstanding 5-6/15  
(2x602, 2x202, 1xC32, New Phalanx 302 A)

# HECO ASCADA 2.0

## Fully active Bluetooth® stereo louspeaker set

The market for Bluetooth® loudspeakers is mainly dominated by very compact, low price units. Authentic, natural reproduction of sound is certainly not the focus of these components. HECO have already clearly indicated that it doesn't have to be this way with the Ascada 300 BTX. A genuine stereo set up, a powerful digital amplifier and high-quality DSP-technology. The Ascada 2.0 goes further down and perfects this route. Exclusive components and innovative technology are enclosed in a modern, elegant housing, for a highly flexible yet acoustically pleasing stereo experience from one unit.

Elegant design in a black or white high-gloss finish and slanted side panels.

### FLEXIBLE SHELF SPEAKER SYSTEM FOR THE DEMANDS OF THE AUDIOPHILE

The Ascada 2.0 is no simple Bluetooth® loudspeaker. It is much more of a fully active, high quality HECO shelf louspeaker system with integrated stereo amplifier and a wide range of connection options. The stereo amplifier module delivers a rich 35 Watt RMS output per speaker. The driver itself is a silk compound fabric cap with aluminium Wave Control sound conductors plus optimised mid range woofers, with light long-fibre paper membrane, and high performance coils. This results in maximum precision, high level stability and a natural stereo stage.

Audio signals can be sent to the HECO device in a variety of ways. The latest version of Bluetooth® including aptX support is integrated for wireless audio pleasure. This high end audio standard guaranteed wireless transmission of the signal at CD quality. A digital signal can also be sent to the Ascada 2.0 via the optical and coaxial inputs. What makes it special is that the Bluetooth® stereo system can also be used as an external audio device with a PC. The excellent internal digital / audio conversion is superior to the conversion within a desktop or even a notebook PC in every way. The PC is simply connected to the Ascada 2.0 via USB. Naturally, the unit also receives analogue signals and it has an analogue stereo input for this purpose. There is also a subwoofer output, if even more punch is required at the low frequency range, as well as a USB high power charger port up to 2.1 A for smartphones and tablets.

Powerful stereo amplifier module with 35 watts RMS per speaker.

LED status indicator at the speaker front, control for input selection, volume, bass and treble at the side panel of the left loudspeaker.



### ELEGANCE & FUNCTIONALITY

The Ascada 2.0 housing is really well built, bonded with mutually stabilising MDF panels. It comes with bass reflex construction, equipped with a two-sided current optimising reflex port tube for effective prevention of flow noise. Skilful positioning of the bass reflex opening also means there is no problem placing the stereo system near walls. With its elegant design in black or

white high gloss finish, with bevelled side walls, the Ascada 2.0 makes a fashionable, modern impression in any surroundings. The front cover is made from permeable acoustic material, and can be removed. The back boasts a high-quality connection terminal with solid, gold-plated enclosed screw terminals. Rubber spikes ensure solid positioning on any surface.

### Ascada 2.0

<b>Principle Equipment</b>	2 way bass reflex, active
<b>Total power output</b>	70 / 140 watts
Power output per loudspeaker (RMS/Max)	35 / 70 watts
<b>Frequency response</b>	32 – 40.000 Hz
<b>Crossover frequencies</b>	2.600 Hz
<b>Cabinet surface</b>	Piano Black, Piano White
<b>Dimensions (WxD)</b>	184 x 280 x 284 mm

<b>i-fidelity.net</b> Hece Ascada 2.0 Testurteil: überlegend 11/14	<b>av magazin.de</b> Innovation 02/15
<b>Ulite</b> 1.0 Spitzenklasse www.ulitemagazin.de Top Class 12/14	<b>HIFIDIGITAL</b> EXCELLENT 02/15
<b>PLUS X AWARD</b> 2015 High Quality Design Bedienkomfort	<b>stereoplay Testurteil</b> Klang Stereoklasse Gesamturteil 12/15
<b>PlusXAward</b> 2015	<b>SEHR GUT</b> 07/2015 Very good 07/15
<b>AREA DVD</b> ÜBERRAGEND 1/15 Outstanding 01/15	<b>Hifi Maailma</b> 01/16 - FIN



# HECO AM 200

## High-quality Dolby Atmos Top-Firing Module for 3D Surround Sound

### EXCLUSIVE DOLBY ATMOS MODULES FOR 360° CINEMA SOUND

The new HECO AM 200 Top-Firing Modules are Dolby Atmos-licensed add-on loudspeakers that expand existing surround systems to include the treble channels needed for Dolby Atmos. The design and special principle of these top-firing modules mean that it is not necessary to fit loudspeakers in the ceiling - the AM 200s are simply placed on the enclosures of existing surround sound loudspeakers. The Atmos modules display very specific, strictly predefined dispersion characteristics; the treble channels of the Dolby Atmos 360° surround-scape are then generated via ceiling reflections. The HECO AM 200s do, of course, harmonise perfectly with existing loudspeakers from the HECO portfolio, but can also be combined with speakers from other manufacturers without any hesitation.

### DEVELOPED IN STRICT ACCORDANCE WITH THE TECHNICAL GUIDELINES FROM DOLBY

The HECO AM 200 top-firing modules have been examined, cleared and licensed by Dolby USA. To meet the high requirements demanded by the US group, strict technical guidelines had to be adhered to which now apply to the design and development of the compact add-on loudspeakers. High-quality enclosure design is just as fundamental in this regard as the high-quality and high-capacity 125 mm coaxial loudspeaker developed specifically for the Atmos modules. In addition, the dispersion characteristics have to be adhered to exactly through maximum production precision to enable the acoustic elements reflected from the wall to be integrated perfectly into

High-quality connecting terminal with solid, gold-plated and capsulated screw connectors

the 360° Dolby Atmos sound setting. The HECO engineers have not only been able to meet the Dolby guidelines without any complications; they have also managed to pack the elaborate technology into an elegant and discreet enclosure design.



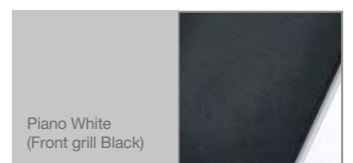
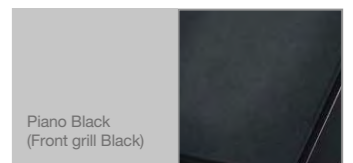
Coaxial loudspeaker specially developed in accordance with the strict Atmos guidelines

### EFFICIENT COMPONENTS IN AN ELEGANT ENCLOSURE

The black or white high-gloss finish housing of the Dolby Atmos products features a high-quality terminal connection panel with stable, gold-plated and encapsulated screw terminals positioned in a practical and visually unobtrusive way at the bottom of the rear side. Despite their compact form, the discreetly elegant modules accommodate high-quality, selected components. Located at the centre of the 125 mm subwoofer with a lightweight long-fibre diaphragm and high-capacity voice coil is a 20 mm tweeter with a silk compound cone and acoustic equaliser. Despite the small dimensions, this generates a very dynamic and precise pulse sound providing the ideal conditions for the acoustic objects of the Dolby Atmos background.

### AM 200

<b>Principle</b>	2 way Dolby Atmos-licensed add-on loudspeaker, closed box,
<b>Equipment</b>	5" coaxial speaker
<b>Power Handling (RMS/max.)</b>	40/100 watts
<b>Impedance</b>	6 ohms
<b>Power Output (RMS/max.)</b>	50 – 35.000 Hz
<b>Frequency Response</b>	3.500 Hz
<b>Crossover Frequencies</b>	88 dB
<b>Cabinet surface</b>	Piano Black, Piano White
<b>Dimensions (WxHxD)</b>	160 x 141 x 321 mm



# HECO INSTALL

Optimum sound quality and perfect visual integration



HECO's built-in speakers in its Install Tweeter with Swivel series combine excellent sound quality, technology (can be easy installation and perfect visual turned by 35°). integration. These speakers are ideal for anyone who is looking for an elegant audio solution, but doesn't want to compromise when it comes to sound quality. With five different models available for wall or ceiling installation, there is a suitable solution for every conceivable scenario, ranging from subtle, high quality background music to an invisible home cinema setup. In addition, the tried and tested clamping mechanism makes installation a breeze.

**CUTTING EDGE TECHNOLOGY FOR OPTIMUM RESULTS**  
The „Cool Metal“ polypropylene cone that is used for the bass-midrange driver in all models and has been developed specifically for the Install series, is not only extremely resistant to environmental influences, but also offers excellent sound quality. The specially coated soft dome fabric tweeters complement this sound quality with a treble range that is as gentle as it is detailed. Crossovers that have been generously equipped with the best components ensure a high quality and low-loss distribution of the audio signal. Furthermore, gold-plated connecting terminals ensure a reliable connection to the source of the signal. Protective aluminium grilles not only provide an unobtrusive yet harmonious appearance, but are also extremely suitable for use in wet rooms.

**PERFECT ADAPTABILITY TO ALL SITUATIONS**  
Further highlights include the extensive customisation options offered by the Install series. This starts with the selection of models that are available, i.e. three in-ceiling speakers and two speaker systems that have been optimised for wall installation. The tweeters used in all models can be pivoted by up to 35 degrees in any direction thanks to „swivel“ technology. This ensures the sound is distributed optimally for any position in the room. In addition, all models are equipped with switches integrated in the basket which can be used to individually fine-tune the sound level for the mid- and treble range after installation.

Double the performance: The INC 2602 features two 19 mm soft dome tweeters



Special clamping mechanism for easy installation



	INC 802	INC 602	INC 2602	INW 802	INW 602
<b>Principle</b>	2 way high-end flush mount speaker	2 way high-end flush mount speaker	2 x 2 way high-end flush mount speaker	2 way high-end flush mount speaker	2 way high-end flush mount speaker
<b>Equipment</b>	8" WM/1" T	6.5" WM/1" T	6.5" WM/2 x 0,75" T	8" WM/1" T	16.5" WM/1" T
<b>Power Handling (RMS/max.)</b>	120/200 watts	100/180 watts	100/180 watts	120/200 watts	100/180 watts
<b>Impedance</b>	4 ohms	4 ohms	2 x 4 ohms	4 ohms	4 ohms
<b>Frequency response</b>	32 - 32 000 Hz	35 - 32 000 Hz	35 - 30 000 Hz	32 - 32 000 Hz	38 - 32 000 Hz
<b>Crossover frequency</b>	3 500 Hz	3 500 Hz	3 600 Hz	3 500 Hz	3 500 Hz
<b>Sensitivity</b>	91 dB	90 dB	90 dB	91 dB	90 dB
<b>Cabinet surface</b>	white	white	white	white	white
<b>Outer dimensions (W x H/Ø)</b>	272 mm	231 mm	231 mm	253 x 356 mm	219 x 306 mm
<b>Mounting dimensions (W x H/Ø)</b>	242 mm	198 mm	198 mm	223 x 325 mm	188 x 274 mm
<b>Mounting depth</b>	112 mm	98 mm	92 mm	90 mm	75 mm



# HECO INSTALL BASIC

Simple installation and optimum acoustic adaptation



The built-in speakers in the Install-Basic series represent sophisticated HECO technology, simple installation and optimum acoustic adaptation. These speakers are designed specifically for customers that have high demands when it comes to living room aesthetics, on one hand, and who also attach significant importance to a good sound on the other. Their acoustic parameters and practical features are perfectly coordinated for various installation conditions, which makes them ideal for virtually any location.

## HIGH QUALITY TECHNOLOGY FOR SMOOTH OPERATION

The textured polypropylene cone, which has been specially developed for built-in speaker systems, ensures excellent dynamic capabilities in the low frequency range in combination with the long-throw rubber surround. The INC 62 and INC 82 models are equipped with a specially coated 25 mm soft dome fabric tweeter for the treble range, while the INC 262 features two 19 mm fabric domes for a particularly homogeneous sound pattern. The tweeters are positioned centrally in front of the bass-midrange drivers (in a coaxial configuration) to ensure the sound is distributed evenly in all directions. Crossovers with high quality components ensure a clean, low-loss distribution of the signals.



All components are also suitable for use in wet rooms, which means the speakers in the Install Basic series can be used in both bathrooms and swimming pool environments.

## EXTENSIVE ADAPTABILITY FOR AN OPTIMUM SOUND

The dome tweeters used by the INC 62 and INC 82 can be pivoted by 35° in all directions to ensure a fully-fledged sound pattern in any setup. The bass-midrange driver of the INC 262 is equipped with a double voice coil, which enables the speaker to be operated in both a mono and stereo mode. In addition, the mid-range and treble level can also be individually adjusted for all systems in 3 stages. This enables the sound generated by the speakers to be perfectly adapted to any installation.

Moisture-proof loud-speaker, also suitable for humid locations



	INC 82	INC 62	INC 262
<b>Principle</b>	2 way flush mount speaker	2 way flush mount speaker	2 x 2 way flush mount speaker
<b>Equipment</b>	8" WM/1" T	6.5" WM/1" T	6.5" WM/2 x 0,75" T
<b>Power Handling (RMS/max.)</b>	100/180 watts	80/150 watts	80/150 watts
<b>Impedance</b>	4 ohms	4 ohms	2 x 4 ohms
<b>Frequency response</b>	34 - 28 000 Hz	36 - 28 000 Hz	36 - 28 000 Hz
<b>Crossover frequency</b>	3 600 Hz	3 600 Hz	3 800 Hz
<b>Sensitivity</b>	91 dB	90 dB	90 dB
<b>Cabinet surface</b>	white	white	white
<b>Outer dimensions (W x H/Ø)</b>	271 mm	228 mm	228 mm
<b>Mounting dimensions (W x H/Ø)</b>	237 mm	193 mm	193 mm
<b>Mounting depth</b>	88 mm	73 mm	75 mm



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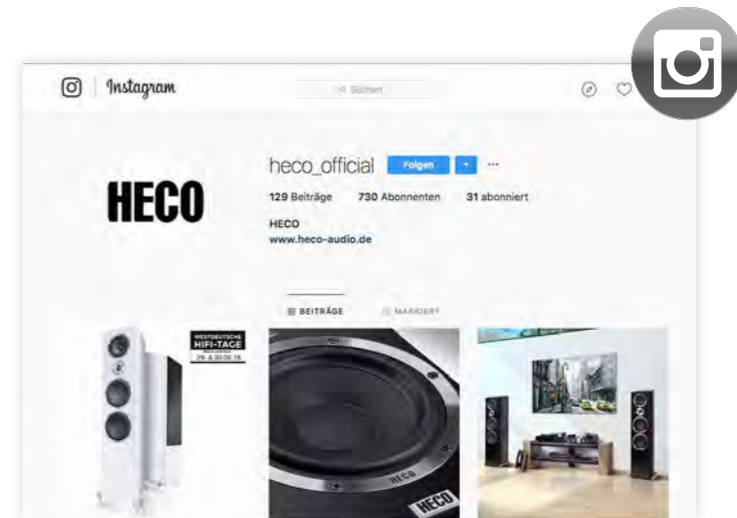
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