

AVANTGARDE ACOUSTIC

PRODUCT PORTFOLIO



avantgarde
ACOUSTIC

**INTENSE.
DYNAMIC.
THRILLING.**

avantgarde
ACOUSTIC



COLIBRI

OPUS 1

ZERO

UNO

DUO

DUO GT

MEZZO

TRIO

SPACEHORN

TWIN SUB



INTENSE.

Music is more than sound – it is emotion, energy, expression. Our horn loudspeakers capture this intensity like few other systems can. With precise control of sound dispersion and the use of the finest materials, they create a presence that truly gets under your skin. Every note, every breath, every tone unfolds with breathtaking clarity. You don't just hear the music – you feel it. Directly. Instantly. Intensely.



DYNAMIC.

Dynamics are the heartbeat of musical expression – and the soul of our loudspeakers. Our horn technology offers up to eight times the dynamic range of conventional systems. This means: the finest nuances and powerful outbursts alike are your strength – without compression, without loss. Our speakers respond in a fraction of a second – from complete silence to full volume, in pure, natural motion. A dynamic experience that captivates.

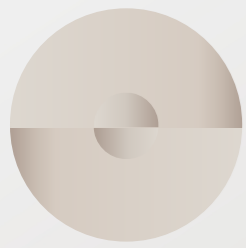


THRILLING.

What distinguishes Avantgarde Acoustic is more than technology. It is the ability to touch, to surprise - to captivate. Our loudspeakers are acoustic works of art: clear in design, uncompromising in function, iconic in appearance. They draw the eye - and the attention - to the music. The result is a listening experience that not only convinces, but fascinates. Gripping. Exciting. Unforgettable.

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About Avantgarde Acoustic

The power of a shared vision

It all began with a passion for music – and a firm belief that sound can do more. That music shouldn't just be heard, but truly experienced: more intensely, more honestly, more directly. Driven by this conviction, we began exploring the principles of horn loudspeakers – completely fascinated by their dynamics, efficiency, and expressive power.

With ingenuity, mathematical precision and craftsmanship, a first prototype was created - lovingly crafted in-house, off the beaten industrial track. The success was overwhelming and the enthusiasm grew. What once began as an ideal became a mission: to create loudspeakers that not only embody technical excellence, but also make emotional depth audible.

Manufacture & Origin - Quality from the Odenwald

Today, our speakers are crafted in our own manufactory in the Odenwald region of Hesse, not far from Darmstadt. Each one is built with the utmost care – using the finest materials, through numerous meticulous steps, by a team deeply dedicated to the art of sound. Before leaving our workshop and making its way to over 60 countries around the world, every loudspeaker undergoes no fewer than 32 thorough quality checks.

This deep-rooted craftsmanship is reflected in every detail, from the choice of materials to the mechanical precision. Our systems are built to last for decades - technically, acoustically and aesthetically.



Our headquarters



The TRIO Classico G1 (2002)

What drives us - our values

What unites us is more than technical skill or craftsmanship - it is an attitude. An inner conviction that excellent sound can only be created when passion, precision and responsibility come together. This claim characterises everything we do - from the initial idea to the final touch. It gives rise to values that guide us every day:

- Passion which influences every decision we make - for music, for craftsmanship, for real experiences
- Innovation that drives us to continually push beyond existing boundaries
- Perfection, which we never see as a state, but as a process
- Quality that you not only hear, but feel - in every component, every surface, every sound
- Customer satisfaction, which for us is the highest praise

Our vision - sound for generations

Our mission is to build speakers that leave a lasting impression - for many years to come. To achieve this, we combine state-of-the-art technology with proven physical principles, such as spherical horn geometry, which minimises distortion and maximises dynamics.

Our systems offer up to eight times the dynamic range of conventional speakers - with up to 90 % less dis

tortion. But what is impressive in figures only really becomes noticeable when experienced: the feeling of being very close to the music. No matter whether it's whisper-quiet moments or thunderous energy.

INTENSE. DYNAMIC. THRILLING.

Our claim is not a promise - it is our reality. Intense, because music must touch. Dynamic, because it should move. Thrilling, because it should take our breath away.

At Avantgarde Acoustic, we work every day to ensure that music is not only heard, but rediscovered - more real, more pure, more powerful than ever before.

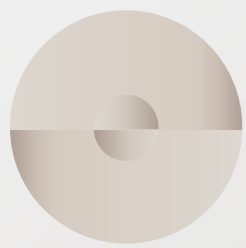
Welcome to the world of horn sound.

Welcome to Avantgarde Acoustic.





Twin Sub with cabinet in "Black Wenge" and design panels in "Very Venus", TRIO G3 with "Very Venus" horns, "Black Wenge" panels and horn mounting rings in black



Technology

The horn principle

The horn principle - sound that touches

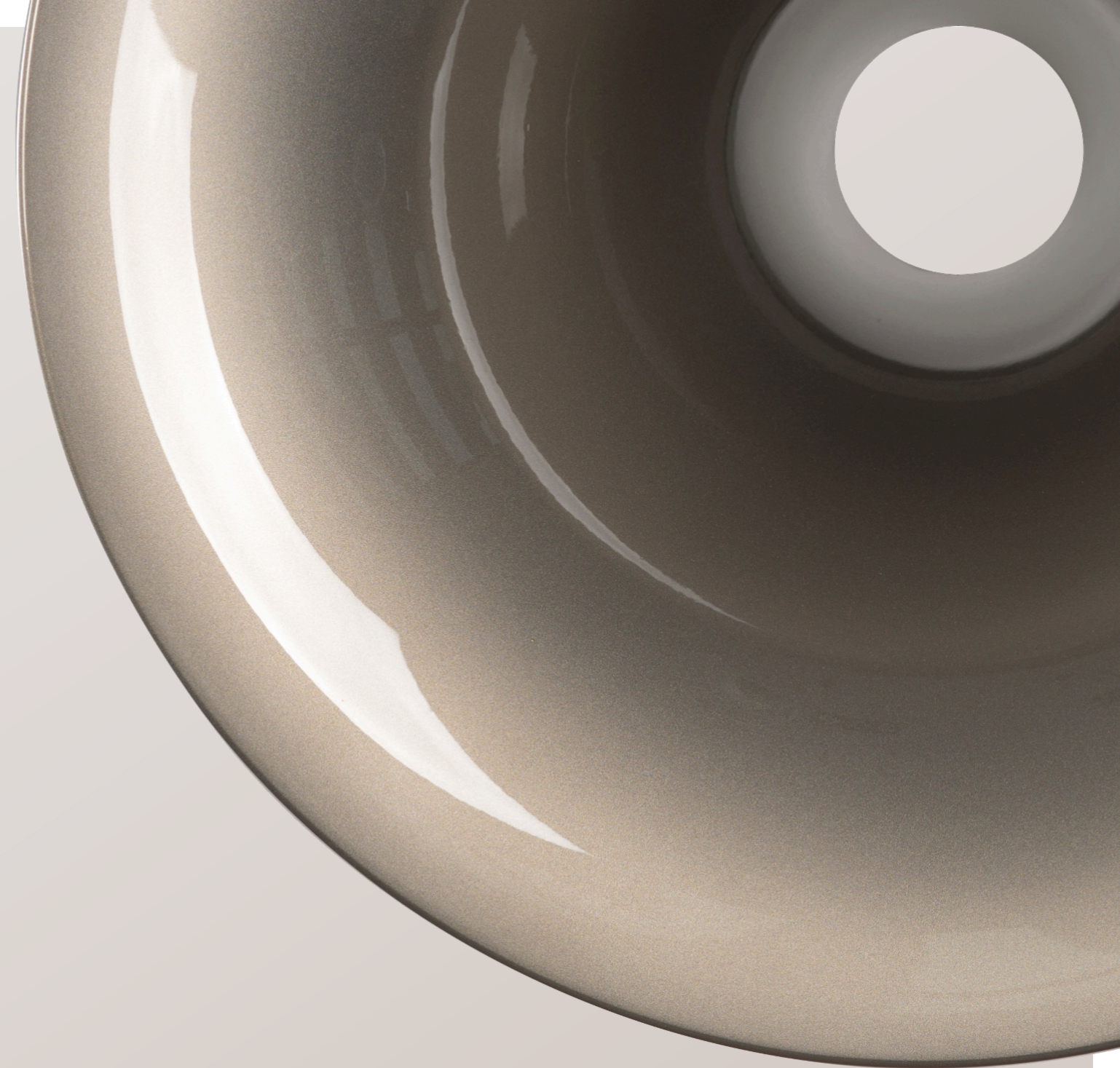
Some technologies seem almost timeless. The horn principle is one of them. It is an acoustic law of nature that has existed for thousands of years and remains unsurpassed when it comes to the efficient and uncolored amplification of sound. Our own bodies make use of this principle. The human ear canal acts like a natural horn, focusing and amplifying sound. The mouth and throat, together with the vocal cords, form a biological horn that shapes and projects the human voice. Even historic structures such as the Amphitheatre of Epidaurus follow this simple yet powerful principle.

Avantgarde Acoustic has further developed this ancient knowledge using the most advanced precision engineering. Over more than 30 years of research and refinement, a horn technology has emerged that sets global standards, manufactured with micrometer precision, made from materials that enable absolute sonic purity, and shaped in a way that allows every note to unfold in its most natural form.

Why a horn loudspeaker?

A horn represents the most optimal and efficient way of transferring sound waves into the air within a room. As a result, sound reaches the listener in a more direct and significantly less altered manner. Efficiency increases dramatically and distortion is greatly reduced. The music appears clearer, more immediate, and more lifelike.

Thanks to their high efficiency, our loudspeakers require only minimal energy to deliver a full and rich sound – even at low volume. At the same time, they respond to musical signals with breathtaking speed: leaping from absolute silence to concert level in an instant – and fading back just as quickly. No lingering, no delay – only absolute precision.



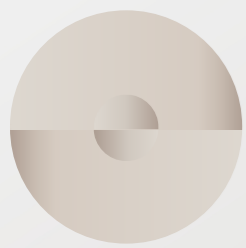
Spherical perfection

Our spherical wave horns are among the most precise horns ever built. Their geometry is calculated using complex mathematical algorithms and realized through an elaborate injection molding process. In this process, nearly liquid polymer is pressed into steel molds held in place by clamping forces of up to 2,500 tons and manufactured with tolerances of ± 0.05 mm. The result is a horn with perfectly uniform sound guidance and no deviations, left and right alike. This ensures not only a precisely defined sound dispersion but also a level of production consistency that is second to none. Every horn is absolutely identical, providing a perfectly balanced listening experience.

Music becomes tangible

A horn loudspeaker is not just a technical device – it's an instrument. It steps back behind the music – and lets it shine all the more. You don't just hear it, you feel it. Every note, every silence, every emotion.

And that's what we're all about: not just reproducing sound perfectly, but making it a real experience. For all those who not only want to hear music, but really want to experience it.



Perfectly adapted to every horn

A perfect horn system requires a perfect drive unit. At Avantgarde Acoustic, all drivers are precisely matched to the respective horn and its acoustic characteristics. Because only when both elements form a technical and sonic unit can a loudspeaker be created that utilises the full potential of our horn technology. The requirements are extreme: spherical wave horns react like acoustic magnifying glasses to the smallest inaccuracies. That's why we pay so much attention to detail when designing our drivers.

Our new Evolution Series is the result of years of research. It combines high-tech materials with state-of-the-art manufacturing technology and a clear goal: uncompromising sound quality. From AirGate technology for distortion reduction to TripleLayer compound cones and our patented SphericDome geometry - every component has been carefully considered. G3 Series drivers offer extreme stability, high power handling and reference-level phase response. Their sound is high resolution, dynamic and absolutely accurate.

Tweeter drivers

XT2 (ZERO iTRON, UNO SD) - Reference Level Detail

From the very first listen, the XT2 impresses with a clarity that opens up the room seemingly without limits. The treble range is not only precise, but also silky, free of harshness or sharpness. Developed for the UNO SD, the XT2 combines compact design with great acoustic impact.

The 160 mm LongThrow horn is 30 mm larger than its predecessor and twice as deep - 145 mm instead of 65 mm. This new geometry allows for a significantly lower crossover into the midrange and simultaneously reduces distortion by easing the mechanical load on the driver. The ring-shaped annular diaphragm features a duplex suspension, guiding both the inner and outer edges simultaneously to ensure maximum stability with minimal weight.

The XT2 reaches frequencies up to 22,000 Hz, maintaining outstanding phase linearity with less than 50° deviation. Distortion levels remain -50 dB below the music signal. As a result, this driver delivers an incredibly detailed, high-resolution and authentic sound - placing every instrument and every voice in the room as if the musician were performing right in front of the listener.

XT3 (DUO SD, DUO GT, MEZZO, TRIO) - The fastest supertweeter from Avantgarde

When treble becomes revelation: The XT3 is our most powerful high-frequency driver, developed specifically for the DUO GT, MEZZO, and TRIO systems. Its 200 mm LongThrow horn is 20 mm wider and more than twice as deep as that of the XT2. These dimensions allow for a lower crossover frequency and enable an almost seamless integration with the midrange.

The newly developed annular diaphragm with duplex suspension is both lighter and more rigid. It reproduces even the finest overtones with absolute precision. The XT3 covers a frequency range up to 28,000 Hz, surpassing all its predecessors in clarity, spatial resolution, and pinpoint imaging. With distortion levels as low as 0.32%, it sets a new benchmark.

Its higher efficiency and 50% increased power handling make it the ideal choice for the most demanding listening environments and audiophile applications - where even at high volumes, detail and airiness are preserved.

UL1.5 (Colibri C2) - The soul of music - in 2.2 grams

The mid-high range determines whether music lives or is merely reproduced. The UL1.5 is our broadband specialist that really comes into its own. Its impressively low moving mass of just 2.2 grams makes it one of the fastest drivers in its class. Combined with a 350 mm spherical horn, it covers an unusually wide frequency range from 700 Hz to 19,000 Hz - seamless, dynamic, transparent.

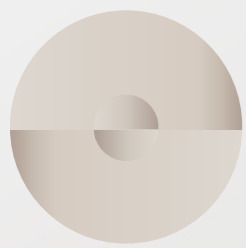
Thanks to the low mass, the high precision of the magnetic drive and the linear sound guide, the result is a reproduction that impresses both in terms of detail and musicality. Whether vocals, strings or harmonics - the UL1.5 captures the essence of every recording.



XT3 tweeter with horn in „Andromeda“



XT2 tweeter with horn in „Andromeda“



Midrange driver

XM1 (ZERO iTRON, UNO SD) - The emotional centre of music

The midrange is the heart of any music system. It carries the fundamental frequencies of the human voice, strings, brass, and nearly all acoustic instruments. The XM1 was designed not only to reproduce this range accurately, but also to bring it to life – with transparency, immediacy, and emotional depth.

With its 500 mm spherical wave horn, the XM1 covers a range from 290 to 4,000 Hz and delivers an impressive sensitivity of 107 dB/W/m. Its unique SphericDome diaphragm geometry ensures phase-coherent excitation of the horn – for precise imaging and tonal purity.

The TripleLayer compound diaphragm is extremely rigid and low in resonance. The innovative AirGate filter design eliminates high-frequency distortion before it ever reaches the ear. And the powerful magnet assembly, featuring InnerCore elements, enables instant responsiveness to the subtlest changes in signal. Whether jazz trio, opera, or electronic music – the XM1 conveys emotion in its most direct form.

XM2 (DUO SD, DUO GT, MEZZO) - volume, expression and confidence

If you want more, the XM2 is the perfect mid-range extension. With a 670 mm horn, 370 mm length and 100 mm horn neck, it is not only in a class of its own physically, but also sonically. The extended frequency range of 170 to 4,000 Hz enables an even deeper coupling to the bass range - for more body, more energy, more realism.

The XM2 combines an enormously powerful magnetic structure with proven TripleLayer and AirGate technology. The large diaphragm surface area gives vocals and instruments a new level of grip without losing any of its lightness. The XM2 really comes into its own with orchestral or dynamically complex music: it remains confident, fast-paced and tonally balanced.

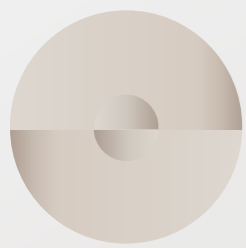
XM3 (TRIO) - The reference among midrange drivers

The XM3 unit embodies everything Avantgarde Acoustic stands for: uncompromising dynamics, technical sophistication, and tonal accuracy that is second to none. Featuring a 570 mm horn and a specially developed 27-ohm Omega voice coil, the XM3 achieves an efficiency of 109 dB with just one watt of input.

Unlike conventional compression drivers, the XM3 employs a minimally compressing operating principle with a large linear excursion. The force of the strontium ferrite magnet acts directly and precisely on the voice coil. The result: ultra-fast response, maximum detail fidelity, and a completely open and effortless spatial presentation.

The combination of AirGate filtering, SphericDome diaphragm geometry, and a highly rigid construction makes the XM3 the finest midrange unit we have ever built. For those who want to experience midrange performance that feels truly live – this is the driver.





Subwoofer and bass driver

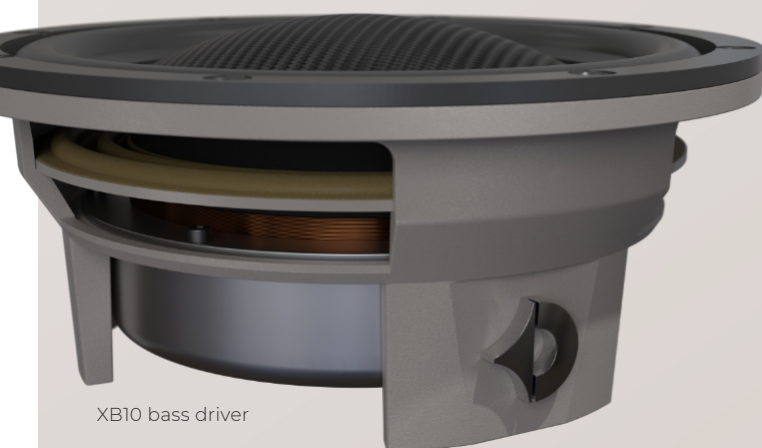
Z12 (ZERO iTRON) - Active bass with subtlety and power

The Z12 is the low-frequency heart of the ZERO iTRON series. As a fully active 12-inch driver, it was specifically developed for seamless integration with the iTRON mid-high system. Its 3-inch voice coil and dual-roll surround ensure not only high power handling but also exceptionally clean transient response. The handcrafted paper cone minimizes partial resonances and is protected by a removable fabric grille.

In combination with the active electronics of the iTRON module, the Z12 delivers astonishing control and musicality. It merges power with finesse, enabling bass reproduction that remains effortlessly composed—whether at low volume or full output.

XB10 (UNO SD) - Compact bass with character

The XB10 is our 10-inch low-frequency driver for the UNO SD and offers a perfect balance of acceleration, control, and sonic volume. With a 153 mm voice coil, a highly rigid paper-carbon fiber cone, and our low-loss NBR surround, the XB10 delivers exceptional impulse fidelity and dynamic performance. It is specifically designed to reproduce fast bass transients with maximum definition—without sacrificing depth. Its SingleFrame construction ensures maximum motor stability and eliminates unwanted resonances.



XB10 bass driver

XB12 (DUO SD, DUO GT, MEZZO, Twin Sub, SpaceHorn) - Maximum power for the lowest frequencies

The XB12 is Avantgarde's most uncompromising 12-inch bass driver, engineered for extreme sound pressure levels and the lowest frequencies. With its massive 153 mm voice coil and a magnetic flux density of 1.15 Tesla, it clearly surpasses all previous models. Low-carbon steel pole plates, a dual-block magnet system, and a dynamically tuned centering system ensure linear excursion—even under maximum displacement.

The paper-carbon fiber composite cone is exceptionally torsion-resistant, combining low weight with high structural integrity. The new SingleFrame cast basket fully encloses the motor assembly and provides extreme rigidity. Whether as part of a high-performance system like the DUO GT or used as a subwoofer in the Twin Sub or SpaceHorn: the XB12 consistently delivers the deepest bass with unwavering control.

XL3 (TRIO) - The standard for fundamental excellence

The XL3 is our specialized development for the lower midrange of the TRIO. Driving a 950 mm horn with a 650 mm length, this 200 mm (8 inch) driver is one of the largest ever produced in series for its kind. The combination of a large horn surface and linear motor results in reproduction with remarkable clarity, warmth, and power.

The massive steel mold used to manufacture this horn weighs 8 tons and allows for precision within 0.05 mm. This enables a perfectly reproducible horn contour—ensuring maximum phase coherence. With a sound pressure level of 109 dB/W/m on this horn, the XL3 is among the most powerful low-midrange drivers ever built.

UL6.5 (Colibri C2)- Radically light, radically fast - the new way in bass

Instead of relying on a large, heavy woofer, the Colibri C2 uses two small 6.5-inch bass drivers with a moving mass of just 12.5 grams - that's around six times lighter than conventional 10 or 12-inch systems. The result is lightning-fast, high-impulse bass with exceptional precision.

Designed for mid-bass impulses and supported by bass blades, it produces a deep, clear and controlled sound that deliberately avoids subsonic frequencies below 60Hz to deliver maximum dynamics in the listening range.

The combination of low mass, powerful drive and acoustic horn reinforcement makes the UL6.5 one of the most agile and musical woofers in its class.

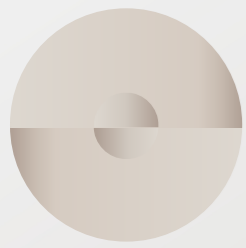
SUB C18 driver - Maximum area, maximum control

The driver of the SUB C18 was specially developed for the reproduction of extremely low frequencies. With a diameter of 18 inches (46 cm) and a linear excursion of +/- 10 mm, it is capable of moving a volume of air that is around nine times greater than a conventional 8-inch high-end driver. This physical superiority enables dynamic, powerful reproduction even in the subsonic range.

The 150 mm voice coil is designed for a continuous load of 1,600 watts (in accordance with the AES2012 standard). The massive motor structure not only delivers extreme power, but also effectively reduces compression effects at high levels thanks to its thermally optimised design. The result is a consistently superior and precise bass reproduction that impresses with its physical presence and richness of detail.



XB12 bass driver



For our passive loudspeaker models: The perfect crossover - audibly well thought out

Music is movement, is vibration - and making this audible with maximum clarity and precision requires more than outstanding drivers and perfectly shaped horns. It also requires a filter that directs each frequency band down exactly the right path - cleanly, without loss and without compromising the sound.

A crossover is essential in any multi-way system: it ensures that each frequency reaches exactly where it belongs - and prevents signals from overlapping, cancelling out, or distorting each other. But what is often treated as a mere "component" by other manufacturers is, at Avantgarde Acoustic, a finely tuned overall system that uniquely combines physical principles, material innovation, and psychoacoustic insight.

SphericLowCut - Physics as a filter

Our spherical wave horns have a defined lower cutoff frequency - once this threshold is crossed, sound can no longer propagate efficiently within the horn. We make deliberate use of this phenomenon: the horn geometry itself becomes a natural, component-free low-pass filter. This SphericLowCut technology relies not on electronic intervention, but on pure physics - clean, resonance-free, and entirely free of artifacts.

AirGate - Filtering through air

For the high-frequency ranges of our systems, we've developed a filtering method that also avoids conventional electronic components: AirGate uses the physical properties of air to suppress high-frequency interference - with no coils, resistors or capacitors in the signal path. What remains is a signal of exceptional purity and transparency.

NatureCap - The uncompromising capacitor

Where electronic filters are indispensable - for example, to protect high-frequency systems from impulse peaks - we rely on the best there is, something the market has never seen in this form: our self-developed NatureCap. Handmade in Germany, its electrodes aren't made from metallized plastic film but from solid, rolled aluminum foil. As dielectric, we use a cellulose fiber compound infused with natural oil. The result is a dramatic reduction in microvibrations and a tonal clarity that conventional capacitors simply can't match.

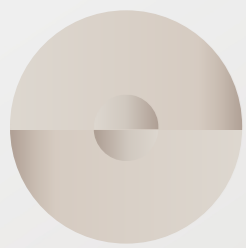
The NatureCap is approximately 25 times the size of typical components and is mounted with custom-designed, vibration-isolated brackets - because in our

world, every detail matters.

PolarisationPlus - Inner calm for outer clarity

Even the subtlest interference modulations within the dielectric field can subtly alter the character of the sound. Our patented-pending PolarisationPlus circuit effectively pre-polarizes the electric field in the NatureCap. This keeps it stable - even when the music is at its most dynamic. The result: a noticeably more stable, quieter, and clearer high-frequency performance.





Technology

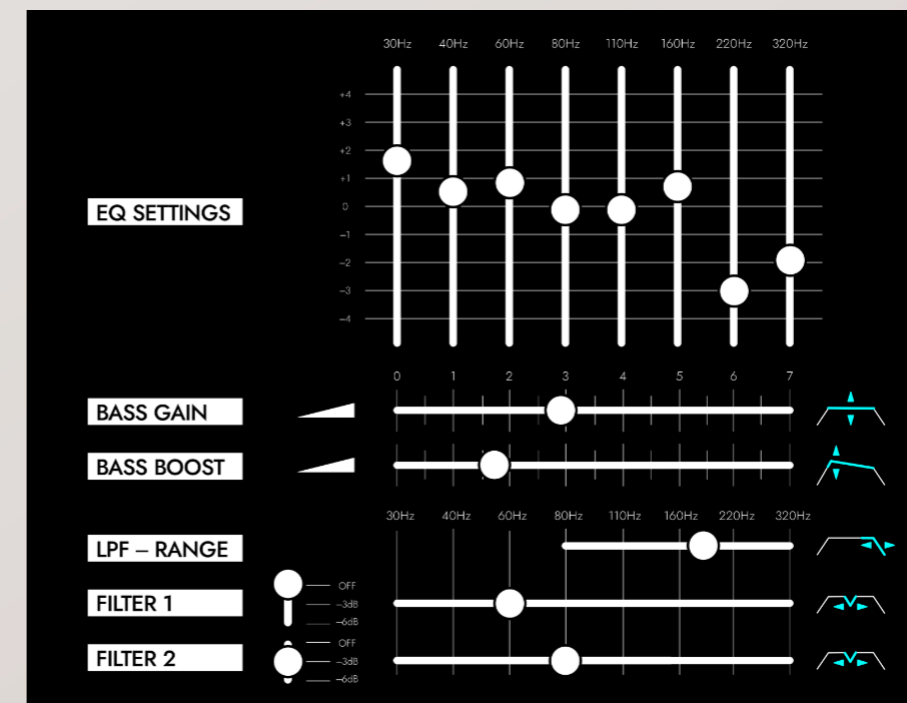
Digital crossover

Digital crossover for our active loudspeaker variants with iTRON technology

Control at the Highest Level

A perfect sound experience begins at the source – and doesn't end at the loudspeaker, but is shaped in the fine-tuning of every detail. Our digital crossover takes on this task with a level of precision far beyond what analog technology can offer. It is the core of active bass management – flexible, powerful, and intuitively controllable.

Thanks to the integrated high-performance DSP (Digital Signal Processor), all passive filter components are eliminated from the signal path. The result: maximum clarity, lossless signal transmission, and an adaptability that can be configured down to the finest detail.



Flexible Adjustment – Intuitive Control

Volume control is handled directly via the clear display using push buttons. For more advanced settings, the Avantgarde Control Software is available. High- and low-pass filters, 8-band equalizer, notch filters – all parameters can be conveniently adjusted via LAN. Thanks to the integrated daisy-chain functionality, multiple subwoofers can be programmed simultaneously.

The newly designed interface ensures that even complex settings can be adjusted with just a few clicks. Whether adapting to room acoustics or personal preferences – the sound can be individually shaped.

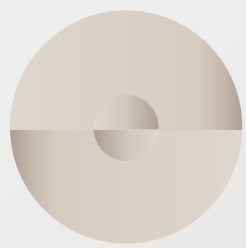
Precision Tuning Made Simple

The LPF-RANGE (Low Pass Filter) dial determines the tonal balance of the system. A higher crossover frequency yields a warmer, fuller sound – ideal for voices and acoustic instruments. A lower setting creates a

leaner, more focused sound signature with high impulse fidelity – particularly suited to dynamic music genres.

For targeted acoustic control, two fully parametric notch filters are available. They precisely and effectively eliminate disruptive room resonances – for a cleaner sound image and less influence from room acoustics.

Additionally, the Bass Boost control allows the sub-bass range below 45 Hz to be lifted. From neutral and linear to deep and voluminous – the character of the low frequencies is continuously adjustable.



The revolution of sound - Current instead of voltage

There are technologies that improve a product – and there are those that change everything. iTRON is such a revolution.

Not a traditional amplifier, but an entirely new type of circuit design that allows music to be experienced in a way that was previously unimaginable. More precise, more dynamic, more transparent – iTRON is nothing less than a paradigm shift in high-end audio.

The amplifier that isn't one

iTRON is not based on voltage amplification, as is common with almost all audio power amplifiers. Instead, our patented system uses current amplification – a physically accurate principle that directly controls the acceleration of the diaphragm. Because it's not voltage, but current that sets a loudspeaker's voice coil in motion. And only by precisely controlling this current can one also control the precision of sound.

The result: the diaphragm accelerates at exactly the right moment and with exactly the right intensity, as dictated by the music signal. No compression, no inertia, none of the typical distortion. Every impulse hits. Every tone sounds exactly as it was intended – vivid, detailed, immediate.

Understanding the challenge of perfect sound

A fundamental understanding of Ohm's Law helps to grasp the significance of iTRON: this law describes the

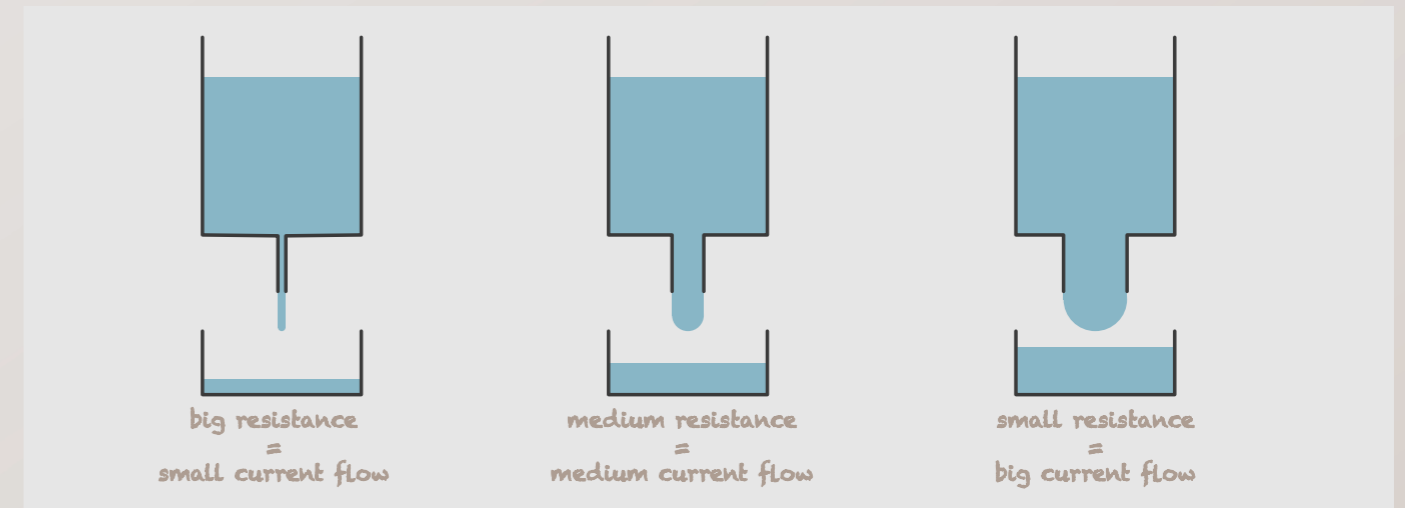
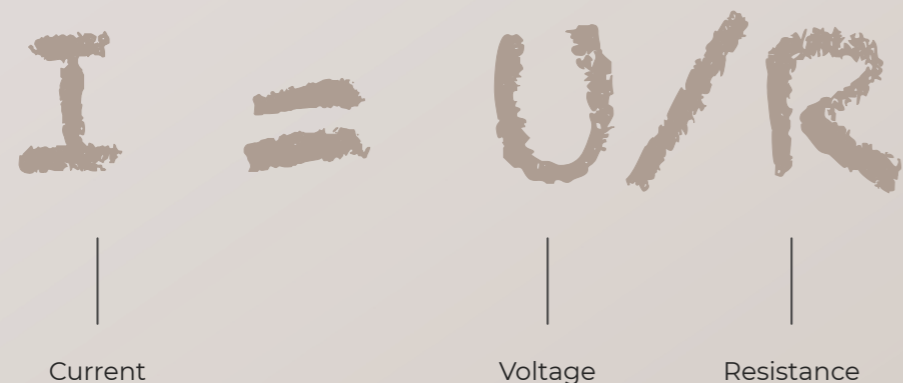
relationship between voltage (U), current (I), and resistance (R) in electrical systems. At a constant resistance, current is proportional to the applied voltage – a simple principle that quickly reaches its limits in practice. That's because in a loudspeaker, impedance – the effective resistance – is constantly changing, depending on frequency, temperature, diaphragm movement, and more.

A voltage amplifier does not respond to these dynamic changes. It only "sees" the voltage – not how much current is actually flowing. As a result, certain frequencies are reproduced too loudly or too softly, details are lost, and the dynamic range is compressed.

iTRON, on the other hand, directly controls the current – precisely the factor that determines the movement of the loudspeaker diaphragm. By precisely controlling acceleration, each sound is reproduced exactly as originally intended – regardless of fluctuating impedance.

Conventional amplifiers are limited by the impedance variations of loudspeakers. These fluctuations are caused by mechanical and thermal effects within the speaker itself – such as temperature changes in the voice coil or the frequency-dependent inductance of the components. The result is level distortion, phase shift, and dynamic compression – especially at high volumes and with complex musical signals.

iTRON eliminates these effects completely. Its precise current control neutralizes all of these nonlinearities. Even at extreme sound levels, the audio remains open, uncolored, and distortion-free. And even at low



Water tank with identical water level or pressure (= voltage).

volumes, it reveals a level of transparency that no voltage amplifier has ever achieved.

Zero feedback. Fully symmetrical. Unmatched.

The iTRON circuit features a symmetrical single-ended architecture – completely free of feedback. Why? Because even the slightest delay between input and output signals – down to the microsecond – can color the sound. Without feedback loops, the musical signal remains completely intact. The output current follows the input with perfect alignment – clean, powerful, and absolutely precise in timing.

The iTRON module combines this architecture with a perfectly matched high-performance active crossover and a discrete Class A output stage. Each driver operates exactly within its optimal frequency range – well away from its resonance frequency. The result: maximum control and the highest level of operational reliability.

Technically refined – sonically exceptional

The modular design with XLR inputs and outputs, trigger function, gain switches, and a fully symmetrical signal path makes iTRON universally integrable – and the uncompromising pinnacle of high-end performance.

Thanks to its fully active concept with direct driver control, any loudspeaker becomes the ideal partner: no interference from interposed passive filters, no losses from cables or transition resistances. The loudspeaker becomes a direct extension of the amplifier –

precisely controlled, perfectly tuned.

Sound like never before

With iTRON, voices gain body, highs shimmer with clarity, and bass becomes tight and controlled. The soundstage expands. Micro-details emerge from the recording, and everything falls into place. Timing is exact. All drivers speak with one voice – no phase errors, no delay. The sound detaches from the speakers and becomes pure presence.

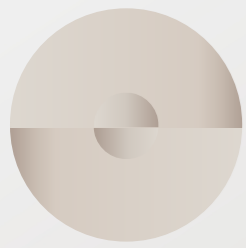
What does iTRON sound like? Honestly – it's hard to describe. Like hearing a favorite album for the first time. Like sitting front row at a concert, only better. Perhaps like a new way of experiencing music you've heard a thousand times – but never like this before. Or like an amplifier that isn't one – but a conductor, perfectly leading every single note.

iTRON – current over voltage. Precision over compromise. Music in its purest form.



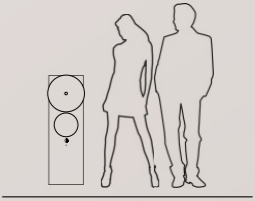
AVANTGARDE ACOUSTIC

G3-SERIES



OPUS 1

Compact. Made huge.



Active

- 103 dB horn driver efficiency
- 8 ohm bass-midrange driver
- 350 mm spherical high-midrange horn
- Subwoofer with
- 10" bass-midrange driver
- 1x250 watt subwoofer power amplifier
- >15 m² recommended room size



The OPUS 1 is the entry point into a new, fully active loudspeaker line from Avantgarde Acoustic – compact in format, radical in concept, and uncompromising in performance. Designed for music lovers who seek the unmistakable Avantgarde horn sound in a self-contained, ready-to-play system, the OPUS 1 focuses on the essential while delivering full-range capability without compromise.

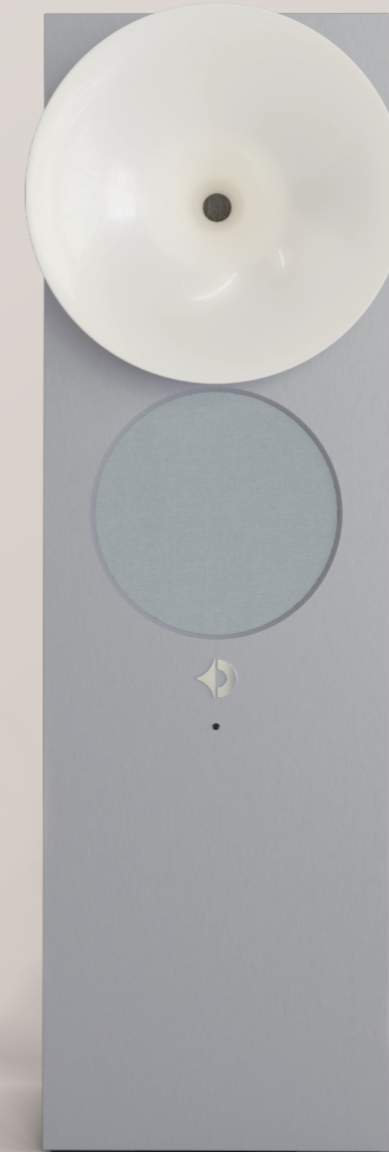
As a true full-range system, the OPUS 1 integrates loudspeaker, amplification, and signal processing into one perfectly matched unit. At its core is a newly developed spherical mid-high horn with a diameter of 350 mm. Driven by the high-efficiency OH1 compression driver, it covers an exceptionally wide frequency range from 700 Hz to 20 kHz. The result is an open, fast, and highly dynamic sound with excellent resolution and a natural tonal balance - free from the beaming often associated with conventional broadband designs.

Low frequencies are handled by the OBM10 low-mid driver with an inverse paper cone. Combined with a generously dimensioned bass reflex port, it delivers precise, controlled, and surprisingly deep bass that integrates seamlessly with the horn section. Power is provided by the integrated OAmpl-250 amplifier module, featuring 10 W Class A/B for mid and high frequencies (with the first watt operating in pure Class A) and 250 W Class D for the bass. An integrated DSP ensures precise crossover management, optimal system control, and flexible bass tuning. Wireless OTA updates provide a future-proof platform for upco-

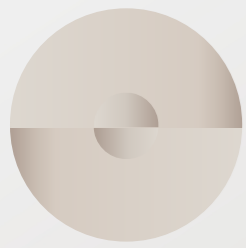
ming features and refinements.

The cabinet is built as a hybrid construction of MDF and aluminum, offering high rigidity and effective acoustic damping. Matte black or white finishes, a brushed metal front, and a solid aluminum base reflect Avantgarde Acoustic's minimalist design philosophy.

The OPUS 1 is a compact, fully active full-range horn loudspeaker system - simply connect a volume-controlled source or preamplifier and let the music begin. Pure, direct, and emotionally engaging: Avantgarde Acoustic distilled to its essence.

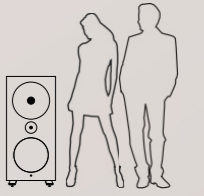


OPUS 1 in white with white horn



ZERO iTRON

The active rebel.



Active

- 107 dB efficiency
- 18 Ohm Omega midrange driver
- 400 mm recessed, spherical midrange horn
- Subwoofer with 12" bass driver
- 1x400 watt subwoofer power amplifier
- >16 m² recommended room size



The ZERO iTRON is more than just a loudspeaker – it's a statement. A declaration of clarity, of technological integrity, and of emotional listening at the highest level. As a fully active 3-way system, it marks the beginning of the Avantgarde Acoustic experience – and yet it stands apart through one defining innovation: iTRON current amplification.

Unlike traditional passive loudspeakers that rely on external amplifiers, the ZERO iTRON is built from the ground up as an active design. The iTRON current amplifiers take direct control of the movement of the horn drivers' speaker membranes – without detours via voltage, without energy loss, without compromise. The result is a sound of breathtaking purity, precision, and immediacy.

Technically, it brings together the finest elements of horn acoustics:

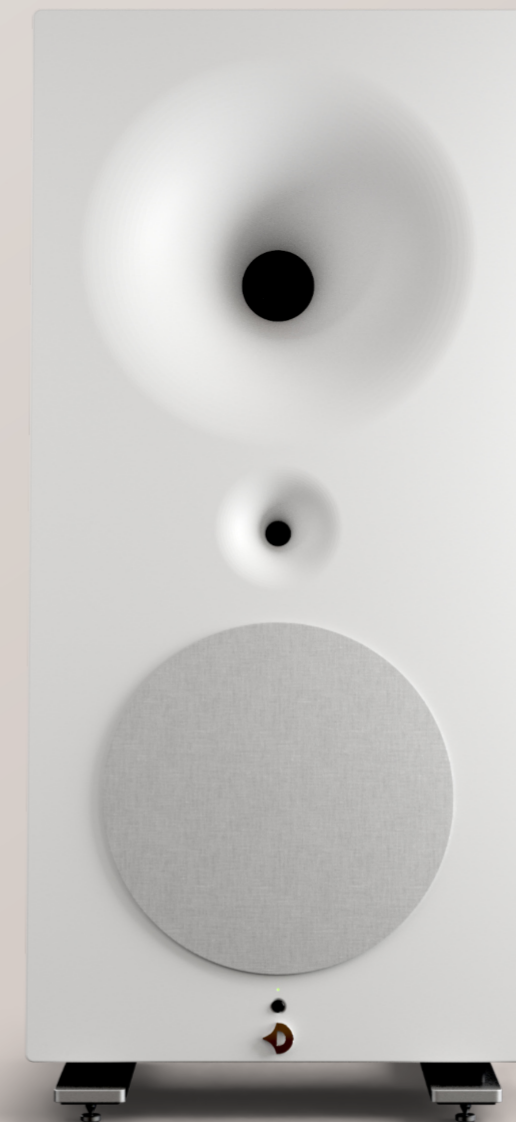
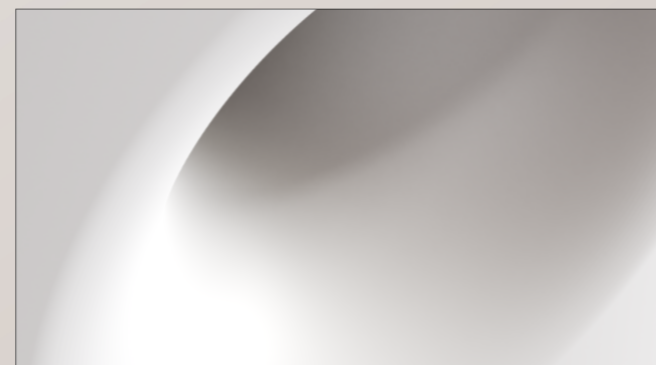
- A 400 mm spherical midrange horn (250–4,000 Hz) with a remarkable sensitivity of 107 dB
- The XT2 supertweeter, extending high-frequency resolution up to 22,000 Hz
- An active 12" bass module, powered by a 400-watt Class-D amplifier for deep, controlled low-end

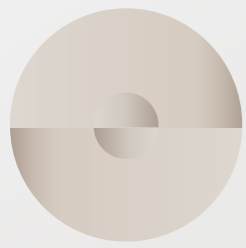
An integrated DSP allows for individual adjustments to the room and personal preferences, while smart features like automatic signal detection make every-

day operation more convenient.

With its clean lines, compact dimensions (49 × 109 × 40 cm), and refined surfaces in soft-touch black or white, the ZERO iTRON blends into any living space with elegance and presence – discreet in form, bold in performance.

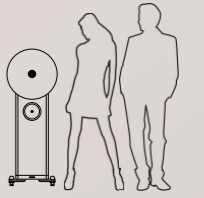
For those who don't just want to hear music, but truly feel it – the ZERO iTRON is your invitation into a new dimension of listening. Fully active. Perfectly balanced. Distinctly Avantgarde.





UNO SD

Big emotions in compact form.



Semi-active

107 dB efficiency
 18 Ohm Omega midrange driver
 500 mm spherical midrange horn
 Subwoofer with
 10" bass driver
 1x500 Watt subwoofer power amplifier
 >16 m² recommended room size

Active

Including ITRON-Module:
 10 Watt Class-A (per horn driver)
 Zero feedback circuit
 Fully balanced circuit
 XLR inputs and outputs
 Various level adjustments (1.5 dB steps)



The UNO SD is your entry point into the world of large-format horn systems – and it's anything but a compromise. It brings together the acoustic DNA and advanced technologies of our iconic DUO series in a more compact, living room-friendly format. For those who seek high-end sound without sacrificing interior harmony.

At the core of the system is a 500 mm spherical midrange horn, driven by the newly developed XM1 Evolution driver. With a sensitivity of 107 dB and a nominal impedance of 18 ohms, it delivers effortless, finely textured sound from 300 Hz upwards. Its "Soft Mesh Compound" diaphragm minimizes resonances and produces a remarkably natural tone – intimate, vocal, and emotionally engaging.

For the highest frequencies, the new XT2 tweeter takes over. Featuring a 160 mm horn and an extended response up to 22,000 Hz, it adds brilliance, spaciousness, and extraordinary detail to your music – always silky and refined, never harsh or analytical.

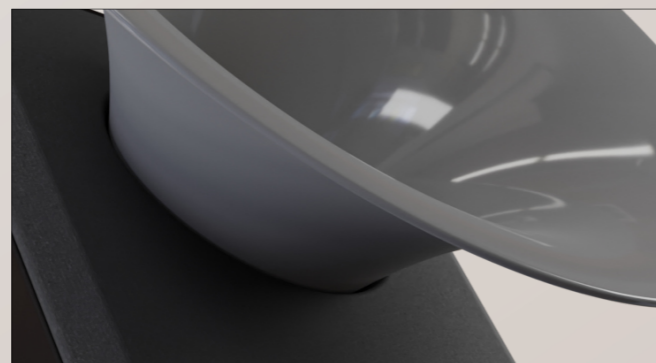
Bass duties are handled by an integrated active subwoofer featuring the powerful XB10 driver. Its oversized 153 mm voice coil and flux density of 1.15 Tesla deliver authority and control. Driven by a high-performance DSP module with a built-in 500 W Class-D amplifier, the subwoofer can be precisely tuned to your room – for bass that's articulate, powerful, and always in control.

Thanks to the precise alignment of all drivers on a sin-

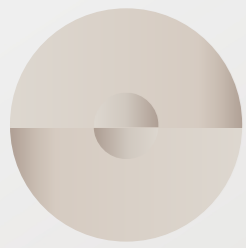
gle plane, sound waves from the high, mid, and low frequencies reach the listener simultaneously – resulting in a cohesive soundstage and a remarkably realistic sense of spatial depth.

With its harmonious form, refined finishes, and confident acoustic presence, the UNO SD integrates effortlessly into contemporary interiors. It's the ideal choice for those who want to experience the unmistakable Avantgarde sound – in a more compact footprint, but with full emotional impact.

UNO SD – where grand emotion, refined engineering, and timeless design meet.

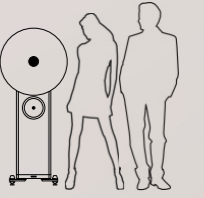


UNO SD with „Andromeda“ horns and horn mounting rings in black



DUO SD

The classic, reinterpreted.



Semi-active

107 dB efficiency
 18 Ohm Omega midrange driver
 670 mm spherical midrange horn
 Subwoofer with
 12" bass driver
 1x500 Watt subwoofer power amplifier
 >20 m² recommended room size

Active

Including ITRON-Module:
 10 Watt Class-A (per horn driver)
 Zero feedback circuit
 Fully balanced circuit
 XLR inputs and outputs
 Various level adjustments (1.5 dB steps)



The DUO SD embodies the spirit of Avantgarde Acoustic in its most distilled form – a no-compromise loudspeaker for those who seek an emotional connection with music, grounded in technical precision. As the direct successor to the iconic DUO system, it delivers the signature horn sound in a modern, intelligently evolved design.

At its heart is the striking 670 mm spherical midrange horn, reproducing frequencies down to 170 Hz with stunning clarity and depth. It is driven by the newly developed XM2 Evolution driver, equipped with a powerful Alnico magnet system. Its innovative Soft Mesh Compound diaphragm minimizes partial resonances through a precisely applied elastomer coating on the diaphragm's woven structure – for an exceptionally clean, natural sound.

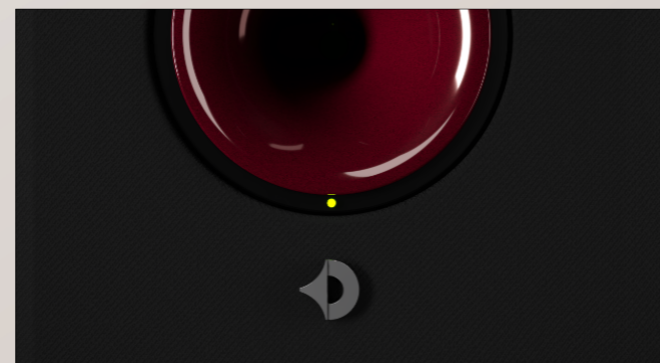
The high frequencies are handled by the XT3 supertweeter – the same reference-grade unit used in our flagship TRIO G3. With its annular diaphragm and 107 dB sensitivity, it reproduces treble content up to 28,000 Hz with breathtaking resolution and effortless lightness.

For the low end, the DUO SD relies on the powerful XB12 bass driver in a bass-reflex configuration. Equipped with a massive magnet system and a 153 mm voice coil, it offers excellent power handling and minimizes thermal compression. It's driven by the integrated G3-500 amplifier – a 500 W Class-D amp with on-board DSP for precise room and taste customization.

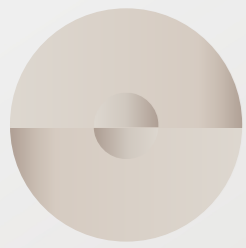
Thanks to its coplanar driver layout, the DUO SD ensures perfect time alignment: the sound from all three drivers – high, mid, and low – reaches the listener simultaneously. This results in remarkable coherence, imaging, and spatial accuracy.

With a wide range of finishes and color options, the DUO SD becomes more than just a speaker – it becomes a visual statement of intent.

DUO SD – for those who want to hear not just music, but the emotion behind it.

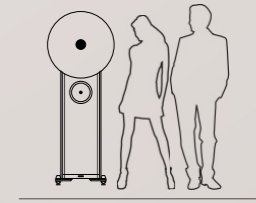


DUO SD with „Red Giant“ horns and horn mounting rings in black



DUO GT

The masterclass of the DUO series.



Semi-active

107 dB efficiency
 18 Ohm Omega midrange driver
 670 mm spherical midrange horn
 Subwoofer with
 2x12" bass driver
 1x1000 Watt subwoofer power amplifier
 >20 m² recommended room size

Active

Including ITRON-Module:
 10 Watt Class-A (per horn driver)
 Zero feedback circuit
 Fully balanced circuit
 XLR inputs and outputs
 Various level adjustments (1.5 dB steps)



The DUO GT represents the third generation of a horn system that Avantgarde Acoustic has been refining since 1993. It's the result of decades of engineering, experience, and listening – combining proven spherical horn architecture with state-of-the-art driver technology to deliver an unparalleled listening experience.

At the core of the DUO GT is a commanding 670 mm spherical midrange horn, reproducing frequencies down to 170 Hz with exceptional clarity and control. Its newly developed XM2 Evolution midrange driver, featuring a 170 mm diaphragm and powerful Alnico magnet, is designed for high linear excursion. The innovative "Soft Mesh Compound" membrane combines a fine woven mesh structure with a damping elastomer coating. This layered design acts as a broadband absorber, suppressing unwanted resonances and higher-order harmonics with remarkable efficiency.

High frequencies are handled by the new XT3 supertweeter with a 200 mm horn. Its lightweight annular diaphragm and 107 dB sensitivity extend the response up to 28,000 Hz, delivering extraordinary clarity and a refined, natural tonal balance – open, effortless, and full of nuance.

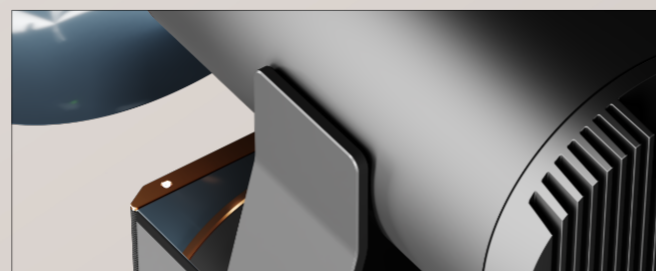
In the low end, two powerful XB12 woofers operate in a bass reflex configuration. Their voice coil diameter has been increased from 100 mm to a massive 153 mm. This oversized motor structure significantly improves power handling and dynamic range while minimizing thermal compression. The result: deep, con-

trolled, and highly responsive bass.

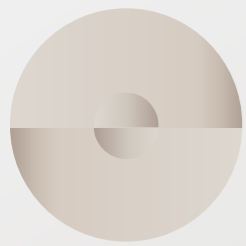
Driving the bass section is the G3-1000 amplifier module with 1,000 watts of Class D power. It features a highly advanced digital signal processor, offering precise room adaptation and extensive customization options. The newly developed user interface allows for easy customization of the sound to match individual preferences and enables effective bass tuning of the system in a wide range of acoustic environments.

Design customization is also part of the DUO GT experience. A variety of color and finish options allows the system to be tailored to your individual aesthetic – making it not only a sonic statement, but a visual one too.

As with all Avantgarde G3 loudspeakers, the DUO GT uses a coplanar driver layout: the acoustic centers of all three drivers – tweeter, midrange, and woofer – are aligned on one plane. This ensures that all frequencies arrive at the listener in perfect synchronicity, preserving timing, phase, and spatial integrity.

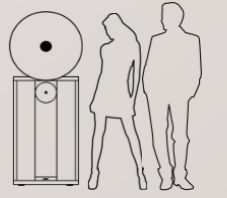


DUO GT with „Galactic Glow“ horns and horn mounting rings in copper



MEZZO G3

Inspired by the best of the past.



Semi-active

107 dB efficiency
 18 Ohm Omega midrange driver
 670 mm spherical midrange horn
 Subwoofer with
 2x12" bass driver
 1x1000 Watt subwoofer power amplifier
 >20 m² recommended room size

Active

Including ITRON-Module:
 10 Watt Class-A (per horn driver)
 Zero feedback circuit
 Fully balanced circuit
 XLR inputs and outputs
 Various level adjustments (1.5 dB steps)



The MEZZO G3 by Avantgarde Acoustic is a remarkable fusion of classic horn technology and advanced acoustic engineering. This semi-active 2-way horn system was created for music lovers who demand uncompromising sound quality – even in spaces where larger systems may not be ideal.

At its core is a commanding 670 mm spherical midrange horn, powered by the XM2 midrange driver. With a sensitivity of 107 dB, this configuration delivers an extraordinarily precise and dynamic midband performance – revealing detail, emotion, and energy with effortless ease.

The high-frequency range is handled by the XT3 supertweeter, inherited from the flagship TRIO series. Featuring a 200 mm horn and lightweight annular diaphragm, it extends the response all the way to 28,000 Hz – capturing shimmering highs with transparency and natural finesse.

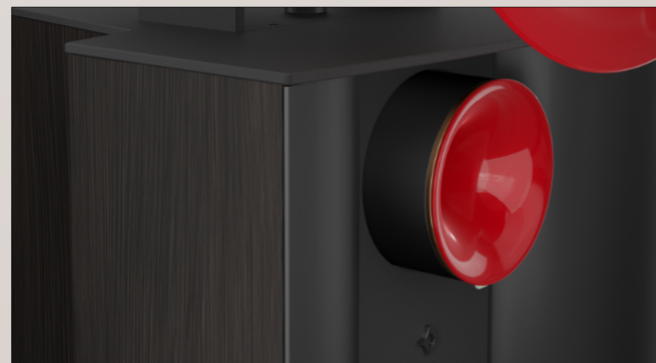
Bass reproduction is entrusted to an innovative hybrid design that combines elements of horn loading and a bass reflex system. Two powerful 12-inch XB12 woofers, equipped with 153 mm voice coils, operate within an extended enclosure volume supported by dual downward-firing 120 mm bass reflex ports. The result is deep, clean, and articulate low frequencies – with remarkable efficiency and minimal distortion.

The bass section is driven by the G3-1000 amplifier module, offering 1,000 watts of power and integrated DSP control. This allows for highly precise adjust-

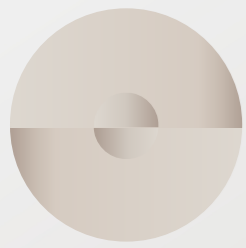
ments to room acoustics and listener preferences – shaping the sound with accuracy and confidence.

A distinctive feature of the MEZZO G3 is its coplanar driver alignment, which, beyond the stepped configuration of the smaller models, offers a readily accessible, linear tweeter offset. This allows for precise adjustment to ear height and listening distance while keeping the enclosure perfectly level at all times. It ensures that the signals from the tweeter, midrange, and woofer arrive at the listener simultaneously and accurately, resulting in a coherent and natural soundstage.

With its timeless aesthetic, inspired by classical forms, and its use of high-grade materials, the MEZZO G3 fits beautifully into sophisticated living spaces. It offers a sonic experience that meets – and often exceeds – the expectations of even the most discerning audiophiles.

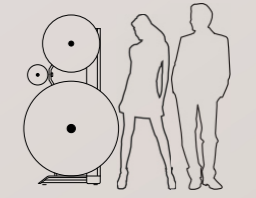


MEZZO G3 with „Geniune Red“ horns, black anodised horn flares and horn mounting rings in black



TRIO G3

The style icon among the super loudspeakers.



Semi-active

- 109 dB Efficiency
- 19 Ohm driver
- 200 mm spherical tweeter horn
- 570 mm spherical midrange horn
- 950 mm spherical woofer horn
- 8" bass/mid driver
- >25 m² recommended room size

Active

- Including iTRON-Module:
- 10 Watt Class-A (per horn driver)
- Zero feedback circuit
- Fully balanced circuit
- XLR inputs and outputs
- Various level adjustments (1.5 dB steps)



The TRIO G3 from Avantgarde Acoustic represents over 30 years of dedicated research and innovation in horn loudspeaker design. As our flagship model, it redefines what is possible in sound reproduction, technology, and visual presence.

Its design is iconic – unmistakably Avantgarde. Three spherical horns dominate the visual architecture: 950 mm low-midrange horn, a 570 mm midrange horn, and a 200 mm tweeter horn, all arranged in a coplanar configuration, with an adjustable high-frequency offset that allows precise optimization for the listening position. This alignment ensures that the acoustic centers of all drivers are positioned on a single plane, allowing the sound from each frequency band to arrive at the listener at exactly the same moment. The result is a soundstage of stunning coherence and spatial precision.

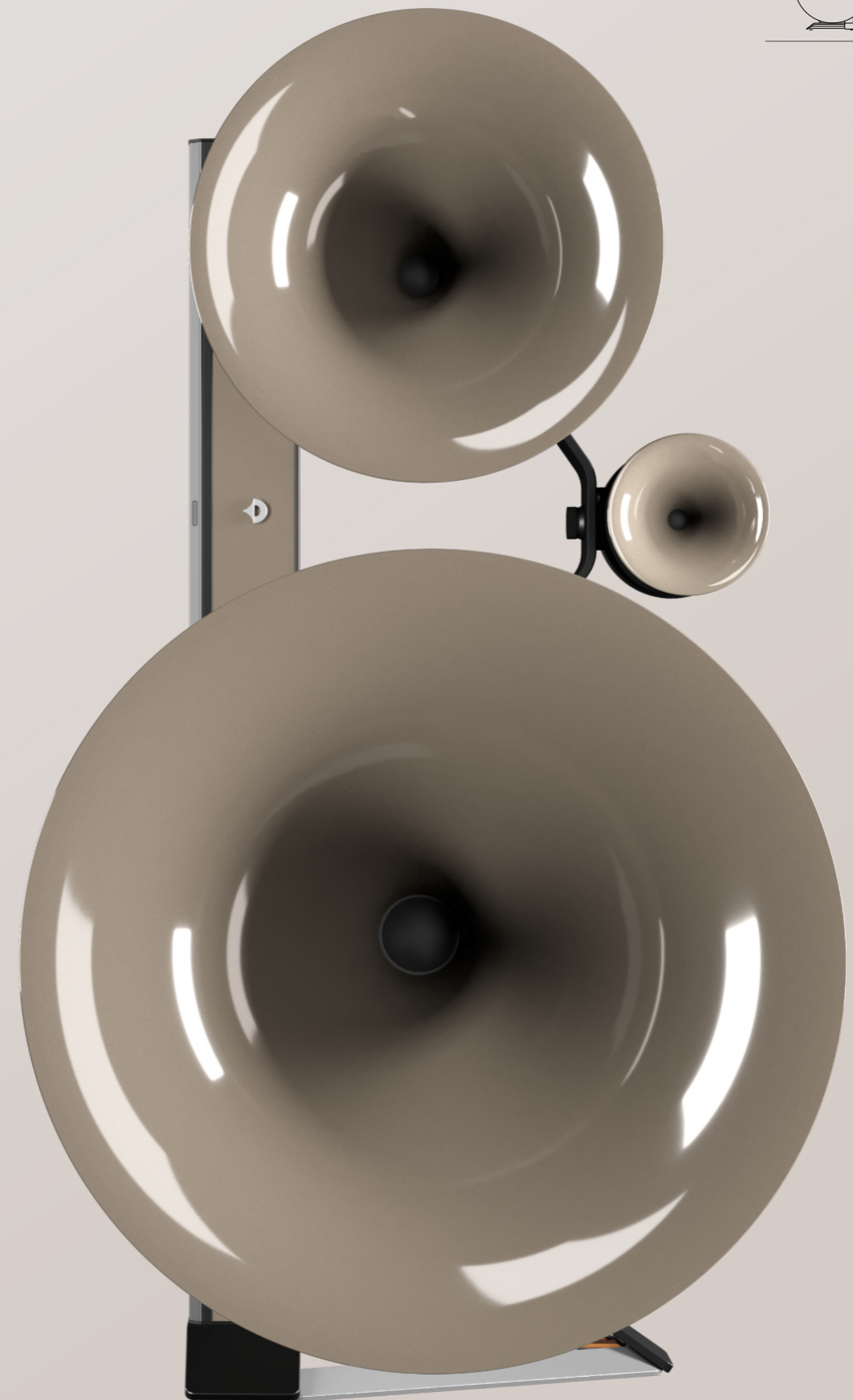
High frequencies are handled by the newly developed XT3 supertweeter, extending all the way up to 28,000 Hz. With its ultra-light annular diaphragm and linear phase characteristics, it delivers astonishing clarity and detail in the uppermost octaves – without harshness or coloration.

In the midrange, the XM2 Evolution driver takes over – offering a sensitivity of 109 dB and an impedance of 27 ohms. Its unique Spheric-Dome diaphragm and AirGate crossover technology provide a dynamic, natural performance that captures every nuance and emotion of the music.

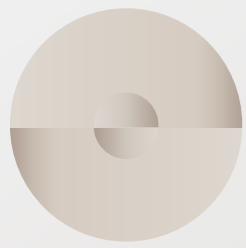
The massive 950 mm bass horn covers the upper bass range with authority and finesse. For frequencies below 100 Hz, we recommend pairing the TRIO G3 with one or more of our SpaceHorn subwoofers or Twin Subs. This combination unlocks the full potential of the system: physical impact, deep soundstage layering, and a foundation of silence from which every note can emerge with power and precision.

A standout feature of the TRIO G3 is its optional iTRON technology. This fully active module uses our patented current-drive architecture to directly control the motion of the diaphragm. The result: zero compression, zero distortion, and a sound that feels startlingly immediate – as if the performance were unfolding live before you.

With the TRIO G3, you don't just listen to music – you experience it in its purest, most uncompromising form. It is a statement of what high-end audio can be: bold, expressive, and profoundly moving.

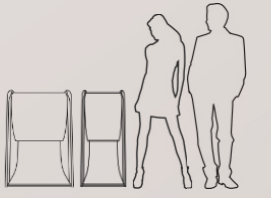


TRIO G3 with „Very Venus“ horns, „Very Venus“ panel and horn mounting rings in black



SpaceHorn

The depth that belongs to the TRIO.



Single Drive (fully active)

0.650 m² horn mouth size (single drive)
 1x12" bass driver (single drive)
 1x500 watt subwoofer power amplifier (single drive)
 >25 m² recommended room size

Twin Drive (fully active)

0.850 m² horn mouth size (twin drive)
 2x12" bass driver (twin drive)
 2x500 watt subwoofer power amplifier (twin drive)
 >25 m² empfohlene Raumgröße



The SpaceHorn from Avantgarde Acoustic is the result of more than two decades of experience and innovation in horn-loaded bass technology. It reimagines what deep bass can be – powerful, controlled, and seamlessly integrated into the listening space – bringing you closer than ever to the ideal of perfect sound.

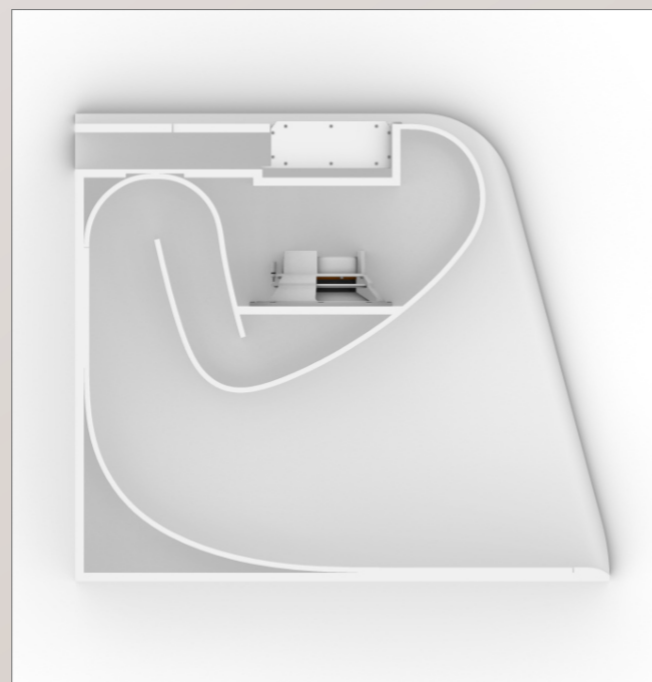
With a striking horn length of 2.1 meters and a mouth area of 0.645 square meters, the SpaceHorn delivers impactful, ultra-precise low frequencies. Its sophisticated horn geometry interacts with the architecture of the listening room itself, turning the space into an acoustic extension of the horn. The result is astonishingly tight and articulate bass – with spatial integration that goes far beyond conventional subwoofers.

At its core, the newly developed XB12 bass driver operates with a 153 mm voice coil and a magnetic flux density of 1.15 Tesla in the air gap. This powerful motor system ensures exceptional efficiency and ultra-low distortion – even during the most demanding musical passages. The integrated G3-500 and G3-1000 amplifiers deliver 500 and 1000 watts of power respectively, and feature a digital signal processor (DSP) that enables precise adjustment of the sound to individual preferences and room acoustics.

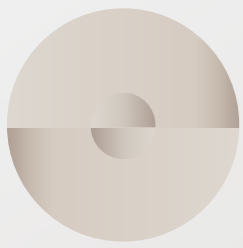
The SpaceHorn is available in two configurations: Single Drive and Twin Drive. Both models are fully compatible and can be combined or upgraded over time to suit your needs. Thanks to flexible installation options – vertical, horizontal, stacked or stand-alone – the

system adapts effortlessly to your living space, no matter the size or layout.

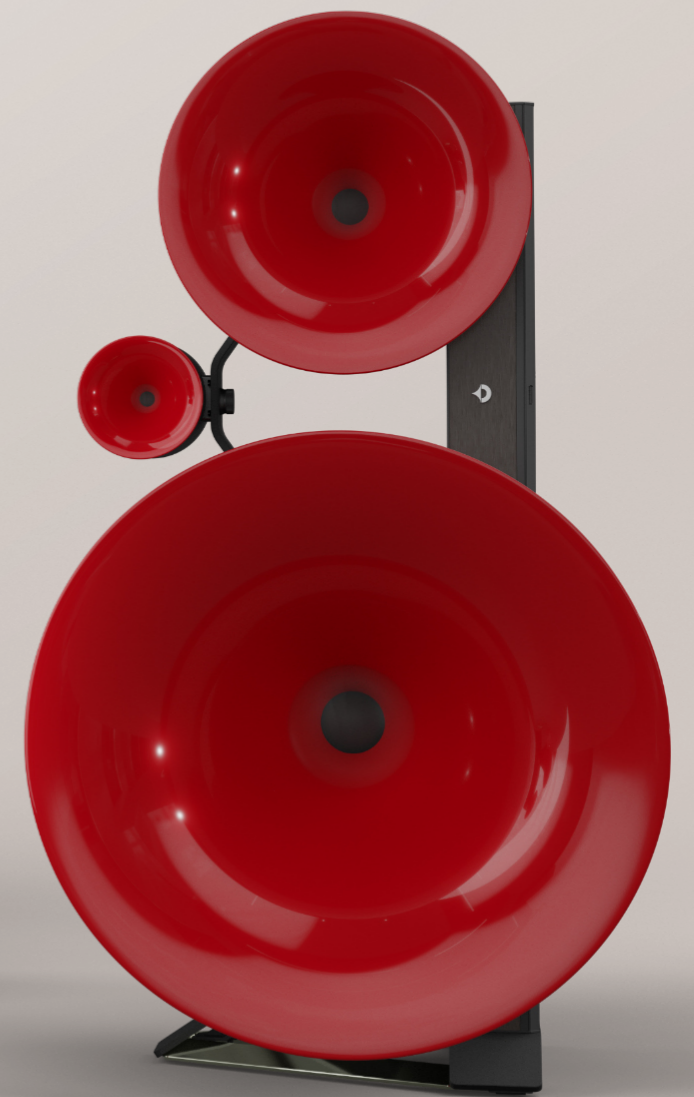
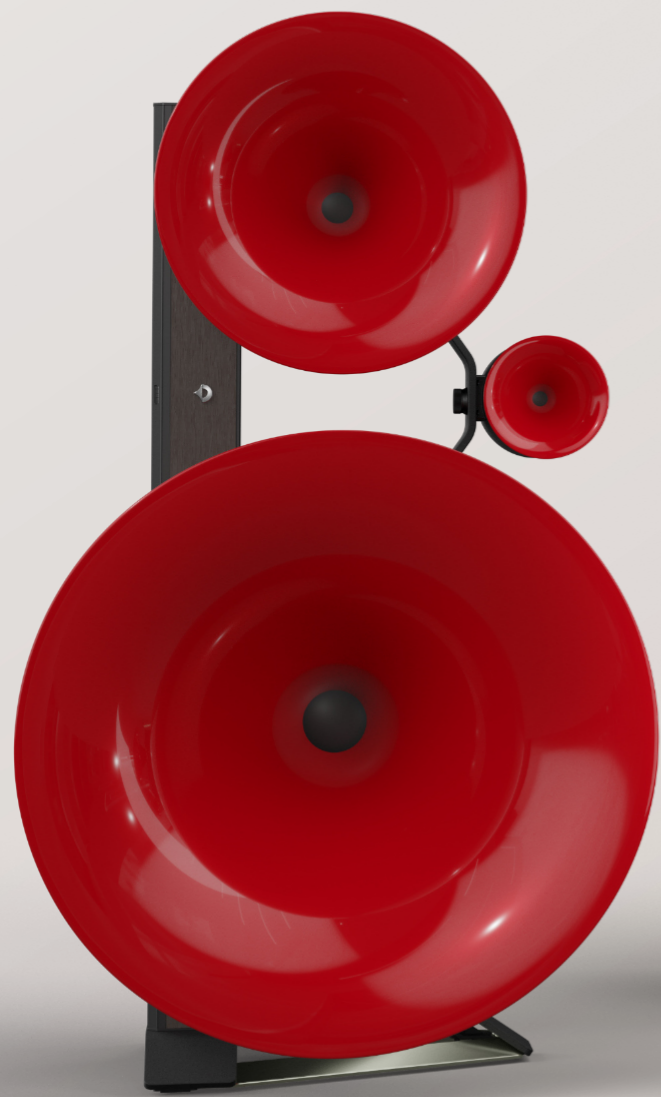
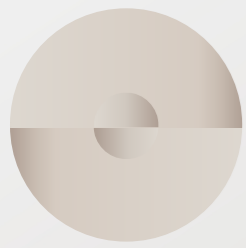
With the SpaceHorn, bass is not just something you hear – it's something you feel. This system transforms your room into a concert hall, unlocking an emotional depth and physical presence that must be experienced to be believed.

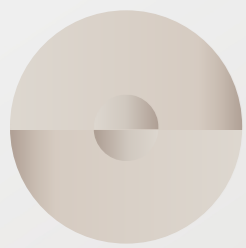


Three pairs of TwinDrive SpaceHorns with horn flares in brushed stainless steel finish and cabinets in "Black Wenge"



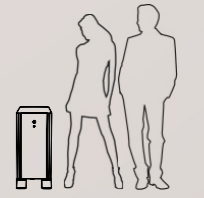
One pair of TwinDrive SpaceHorns with horn flares in „Brushed stainless steel finish“ and cabinets in „Black Wenge“, TRIO G3 with „Genuine Red“ horns, „Black Wenge“ panels and horn mounting rings in black.





Twin Sub

Maximum bass. Minimal surface area.



Fully active

- 2x12" bass driver
- Downfiring driver configuration
- Dual-port bass reflex, downfiring
- 2x500 Watt subwoofer power amplifier
- >20 m² recommended room size



The Twin Sub was developed as the uncompromising bass solution for the TRIO G3 – but its strengths extend far beyond. Whether paired with other Avantgarde Acoustic systems or speakers from other brands, it does more than just add bass. It adds presence, weight, and a deeply physical sense of scale to any musical performance.

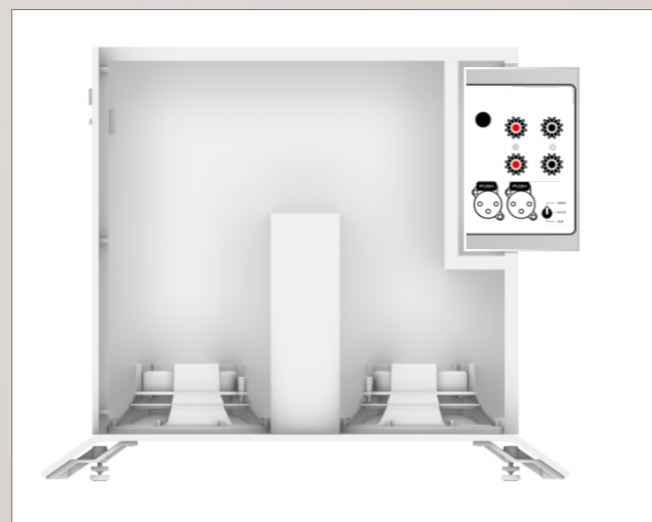
Inside, two powerful XB12 drivers operate in a downfiring bass reflex system. Each features a 300 mm paper/carbon-fiber-reinforced diaphragm and massive 153mm voice coil. Supported by dual high-volume ports, the system delivers tight, low-distortion bass down to 18 Hz – room-filling and effortlessly controlled. The usable range extends up to 350 Hz, with adjustable crossover frequencies between 80–320 Hz for seamless system integration.

An integrated amplifier delivers 2 × 500 W RMS, offering ample headroom and dynamic control. The built-in DSP features an 8-band EQ, flexible high- and low-pass filters, and both line and speaker-level inputs. Each unit features high-quality terminals for speaker-level input as well as XLR sockets. For the first time, Avantgarde Acoustic offers a dual-input option with the Twin Sub, allowing both audio channels to be reproduced via a single subwoofer – saving space without compromising performance. At the same time, the system remains fully flexible for future upgrades: for ultimate performance, we recommend adding a second Twin Sub (one per channel).

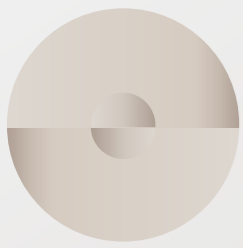
The enclosure is built from 30 mm thick MDF and ply-

wood panels, resting on a robust aluminum stand with adjustable, tool-free spikes. The front panel is available in custom lacquer or veneer finishes to perfectly complement any interior aesthetic.

Measuring 364 × 950 × 784 mm (W × D × H) and weighing 65kg, the Twin Sub is a bold but elegant presence – recommended for rooms from 20 m² and up. A subwoofer not just to hear, but to feel – anchoring your music with authority and emotional gravity.

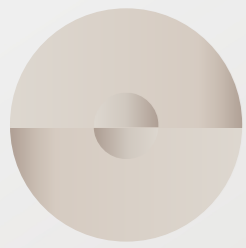


Twin Sub with cabinet and design panels in "Black Wenge"



Twin Sub with cabinet and design panel in „Black Wenge“, TRIO G3 with „Goose Bump“ horns, „Black Wenge“ panel and horn mounting rings in black.

Twin Sub with cabinet „Black Wenge“ and design panel in „Goose Bump“, TRIO G3 with „Goose Bump“ horns, „Black Wenge“ panel and horn mounting rings in black.



Colours G3-Series

Customisation down to the last detail

Color, Finish, Expression – Just Your Style

An Avantgarde Acoustic loudspeaker is more than a technical instrument – it's a part of your home. That's why we believe: the more personal the design, the deeper the connection. Our systems are not only sonically tailored to you – they can also be visually customized with the same level of precision.

In addition to twelve carefully curated horn colors, we offer a wide range of personalization options. From the base stand to the horn mounting rings, from the bass blades to the veneered front panels – nearly every visible element can be refined or color-matched to your preferences.

Your loudspeaker. Your expression.

Whether subtle and timeless or bold and eye-catching – the choice is yours. Our range of finishes spans natural wood veneers, deep matte surfaces, and high-gloss accents. The result is a speaker that either blends seamlessly into your environment or becomes a deliberate design statement.

Every detail contributes to the whole. And because we build our products in-house at our manufactory in the Odenwald region, we can respond to individual requests with the utmost care and craftsmanship.

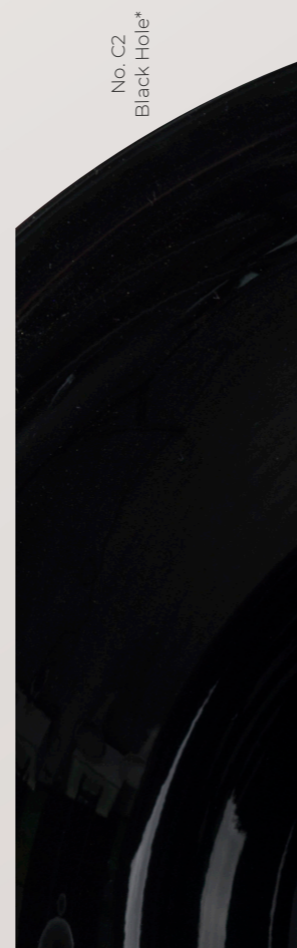
For those who want a clearer picture of what their speaker will look like, we offer an intuitive online configurator. At avantgarde-acoustic.de, you can explore and design every model to your liking – down to the smallest detail.



Create your dream loudspeaker with our product configurator!



No. C1
Andromeda*



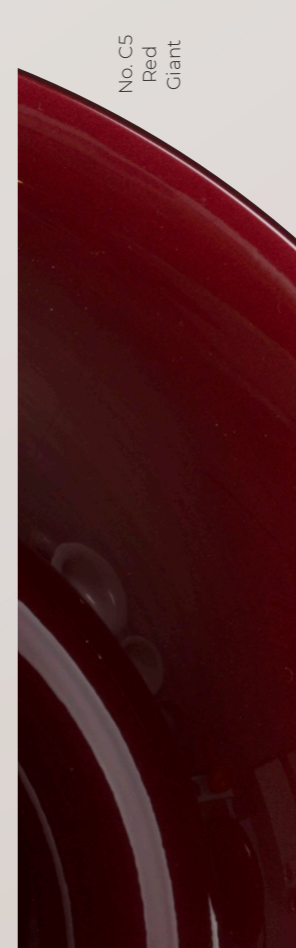
No. C2
Black Hole*



No. C3
Geniune
Red*



No. C4
Total
Eclipse



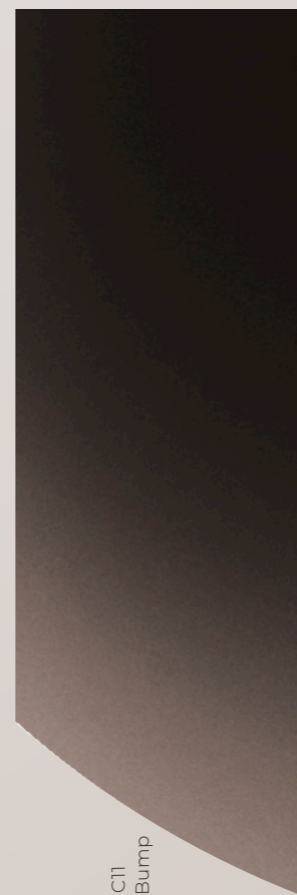
No. C5
Red
Giant



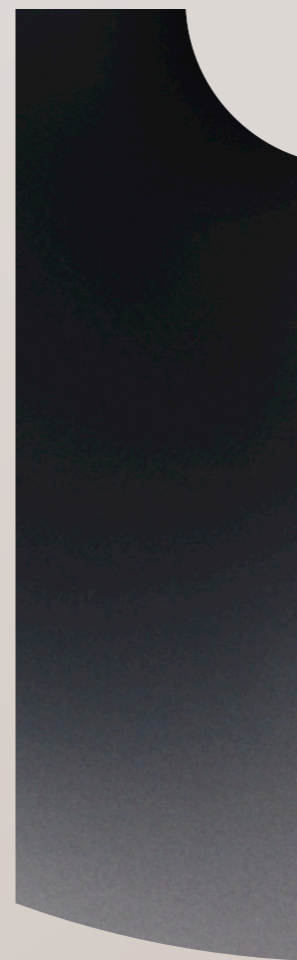
No. C6
White
Dwarf



No. C12
Audiophile
Heaven



No. C11
Goose Bump



No. C10
Nocturne
Grey



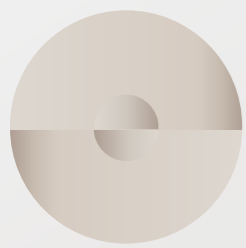
No. C9
Galactic
Glow



No. C8
Very Venus



No. C7
My Milky
Way



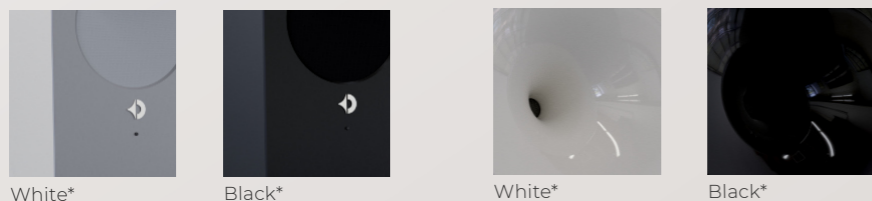
Colours G3-Serie



Create your dream
loudspeaker with our product
configurator!

OPUS 1

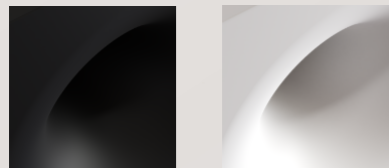
Cabinet colour + front plate Horn colour



White* Black* White* Black*

ZERO iTRON

Cabinet lacquer



Black* White*

UNO SD, DUO SD, DUO GT

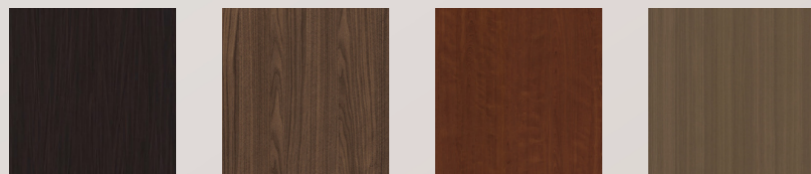
Cabinet lacquer Horn mounting rings



Piano lacquer* Matt black Black* Copper

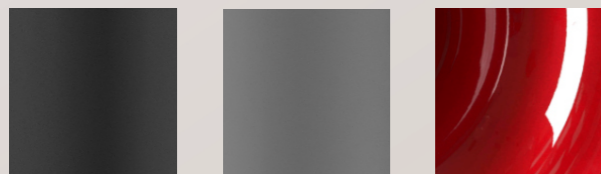
MEZZO

Cabinet wood veneers



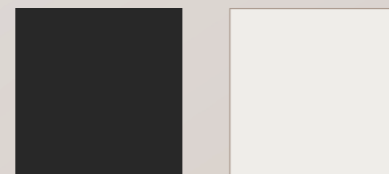
Black Wenge* American Walnut* Cherrywood* German Oak*

Hornflares



Black anodised* Silver anodised* Horn colours see overview

Cabinet lacquer



Matt black Matt white

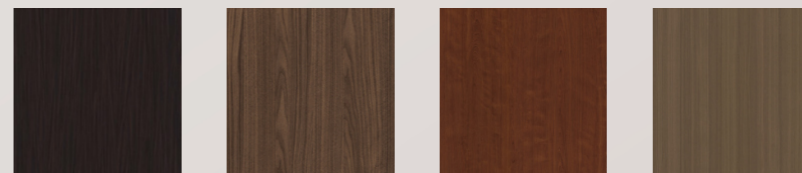
Hornmontageringe



Black* Copper

TRIO

Front panel wood veneers



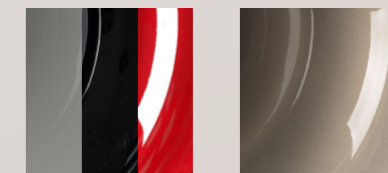
Black Wenge* American Walnut* Cherrywood* German Oak*

Horn mounting rings



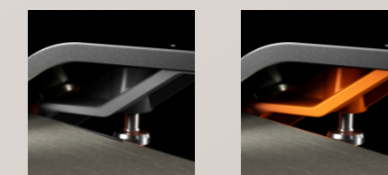
Black* Copper

Cabinet lacquer



No. C1-C3* No. C4-C12

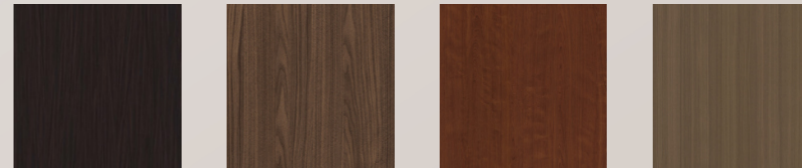
Spike absorber element



Black* Orange

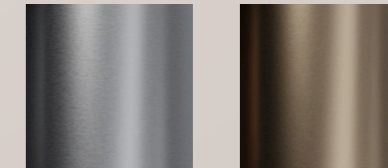
SpaceHorns

Base and top panel wood veneers



Black Wenge* American Walnut* Cherrywood* German Oak*

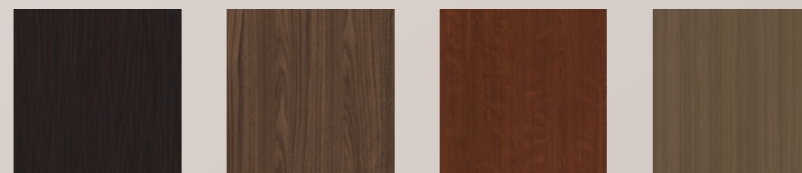
Horn flares



Brushed stainless steel finish* Brushed gold/copper finish

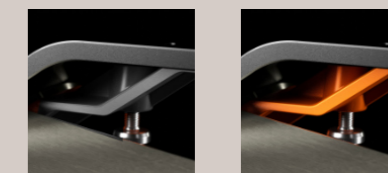
Twin Sub

Cabinet wood veneers



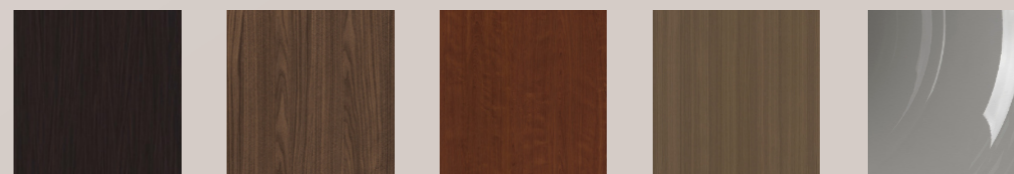
Black Wenge* American Walnut* Cherrywood* German Oak*

Spike absorber element



Black* Orange

Design panel

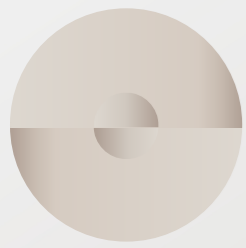


Black Wenge* American Walnut* Cherrywood* German Oak* No. C1-C12

AVANTGARDE ACOUSTIC

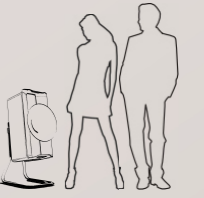
COLIBRI-SERIES





COLIBRI C2

Small. Clear. Consistent.



Passive

- 98 dB efficiency
- 4 Ohm driver
- 350 mm spherical midrange horn
- Subwoofer with 6.5" bass driver
- >16 m² recommended room size



The Colibri C2 is a loudspeaker that redefines what's possible in compact form. Despite its modest size, it delivers a remarkably confident and detailed sonic performance. Designed to bring audiophile-grade sound to smaller spaces, it combines technical excellence with visual elegance and maximum versatility.

In the low-frequency range, two 6.5-inch drivers with ultra-light moving mass – just 12.5 grams each – work in tandem with the signature Bass Blades to deliver fast, tight, and punchy bass. By avoiding unnecessary weight, the system achieves impulse response and dynamics typically expected only from large-scale loudspeakers.

For mid and high frequencies, a 1.5-inch driver with just 2.2 grams of moving mass – one of the lightest in its class – pairs with a 350 mm spherical wave horn to create an open, spatial, and highly articulate presentation. The Colibri C2 plays linearly up to 19,000 Hz with exceptional resolution and no time smear – perfect for rich detail and lifelike timbre.

The cabinet design is compact yet thoroughly engineered, internally braced and built from premium materials. Multiple setup options – whether on a dedicated stand, directly on integrated rubber pads, or wall-mounted – make the Colibri C2 easy to integrate into a variety of environments. Three color options and additional finishes for the driver cover allow for aesthetic customization.

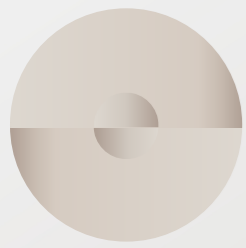
When paired with a subwoofer like the C18, the Colibri C2 becomes a full-fledged high-end system. Yet even

as a standalone speaker, it impresses with a lower cut-off of 65 Hz and a maximum sound pressure level of 117 dB. This makes it an ideal choice not only for audiophiles, but also for home cinema, hospitality spaces, or architectural projects.

The Colibri C2 demonstrates what can be achieved when you focus on the essentials – for a listening experience that surprises, captivates, and endures.

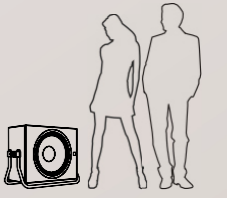


Colibri C2 Satellite in Grey-White



COLIBRI C18

Lots of power. Full control.



Active

460 mm driver size
1200 Watt Subwoofer power amplifier
>16 m² recommended room size



There are sounds we don't just hear – we feel them. They shape the atmosphere, make music tangible, and immerse us completely in the moment. The Colibri C18 is built for exactly that experience: a specialist for the deepest octaves, where music finds its foundation.

A 30 Hz tone has a wavelength of over 11 meters – something that simply can't be reproduced with small drivers. The C18 features an 18-inch driver with a 46 cm diaphragm and a linear excursion of +/- 10 mm. It displaces nearly nine times more air than a conventional 8-inch woofer – fast, precise, and effortless.

Driven by a 150 mm voice coil and rated for 1,600 watts of continuous power, the C18 performs with authority even at high volume – without compression, always under control. Yet despite this power, the cabinet remains remarkably compact: just 32 cm deep, with a volume of 70 liters. And because low frequencies below 100 Hz are non-directional, placement within the room is flexible.

The enclosure is heavily braced and internally damped, with three decoupling elements to minimize vibration. No booming, no overhang – just tight, physical bass with a clean decay.

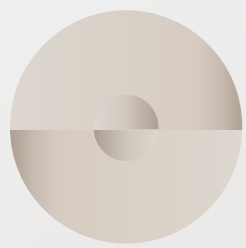
The built-in C-AMP1200 module delivers 1,200 watts and offers comprehensive DSP control. All parameters – EQ, crossover points, phase, and more – can be adjusted directly on the unit or via the intuitive Colibri Control Software. Balanced and unbalanced inputs,

daisy-chain connectivity, and auto power-on/off provide ease of integration into any system.

Perfectly matched to the Colibri C2, the C18 also pairs seamlessly with other speakers. It adds depth, presence, and emotional weight to the listening experience – even at lower volumes. The Colibri C18 brings the room to life.

Colibri C18 – Sound you don't just hear. You feel it.





Colours Colibri-Series

Customisation down to the last detail

Thanks to their compact form, Colibri loudspeakers integrate effortlessly into any interior – and can be color-matched with equal precision. The dedicated mounting options are available in two coordinated finishes, allowing speaker and bracket to blend seamlessly into the overall design. Whether set in bold contrast or subtly integrated into the space, Colibri lets you shape not only the sound, but also its visual presence – entirely to your taste.

Colibri C2

	Grey-Beige	Black	Matt black

Colibri C18

	Grey-Beige	Black

Accessories - Speaker Stands

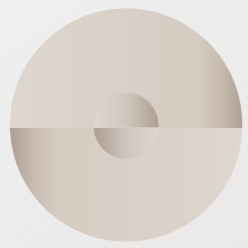
	Chrome	Black

Accessories - Wall mounting

	White	Black

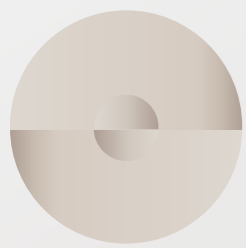
Accessories - Satellite fabric

	Grey-Beige	Black



Colours
Colibri-Series





Specifications



OPUS 1

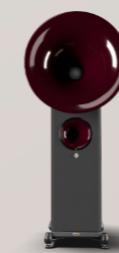
active	
SYSTEM DATA	
Frequency range	Satellite Subwoofer
Efficiency (Watt / 1 m)	> 103 dB
Crossover frequencies	700 Hz
Recommended room size	> 15 qm
OmegaDrive	-
AirGate	-
HORN	
Horn type/ Acoustic design	Spherical Horn
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	350 mm (High- and midrange)
Midrange	
HORN DRIVER	
Diameter	-
Bass range	25 mm / 1 inches
Midrange	(High- and midrange)
High frequency range	
BASS DRIVER	
Driver size	254 mm / 10 inches
Number of drivers	1
Voice coil diameter	3 inches
Diaphragm material	inverted paper
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 250 Watt
Digital crossover	DSP
Parametric equaliser	Bass EQ +/- 6 dB
Digital room adjustment	Yes
Inputs	1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	-
Fully balanced circuit	-
Class A/AB circuit	-
Zero feedback	-
Power output	-
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	350 mm 360 mm 1.100 mm
Weight	39 kg

ZERO iTRON

active*	
SYSTEM DATA	
Frequency range	18 – 22.000 Hz
Efficiency (Watt / 1 m)	> 107 dB
Crossover frequencies	250/2.800 Hz
Recommended room size	> 16 qm
OmegaDrive	Yes
AirGate	Yes
HORN	
Horn type/ Acoustic design	Spherical Horn
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	400 mm
Midrange	130 mm
HORN DRIVER	
Diameter	-
Bass range	127 mm / 5 inches
Midrange	25 mm / 1 inch
High frequency range	
BASS DRIVER	
Driver size	300 mm / 12 inches
Number of drivers	1
Voice coil diameter	3 inches
Diaphragm material	pulped paper
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 400 Watt
Digital crossover	DSP
Parametric equaliser	8 Band EQ
Digital room adjustment	Yes
Inputs	1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	Yes
Fully balanced circuit	Yes
Class A/AB circuit	Yes
Zero feedback	Yes
Power output	2 x 10 Watt
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	490 mm 400 mm 1.090 mm
Weight	40,5 kg

UNO SD

semi-active/active*	
SYSTEM DATA	
Frequency range	290 – 22.000 Hz
Efficiency (Watt / 1 m)	> 107 dB
Crossover frequencies	290/2.800 Hz
Recommended room size	> 16 qm
OmegaDrive	Yes
AirGate	Yes
HORN	
Horn type/ Acoustic design	Spherical Horn
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	500 mm
Midrange	160 mm
HORN DRIVER	
Diameter	-
Bass range	127 mm / 5 inches
Midrange	25 mm / 1 inch
High frequency range	
BASS DRIVER	
Driver size	250 mm / 10 inches
Number of drivers	1 x XB10
Voice coil diameter	153 mm
Diaphragm material	Paper-/carbon fibre compound
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 500 Watt
Digital crossover	DSP
Parametric equaliser	8 Band EQ
Digital room adjustment	Yes
Inputs	1 x SPKR; 1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	Optional
Fully balanced circuit	Yes
Class A/AB circuit	Yes
Zero feedback	Yes
Power output	2 x 100 Watt
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	500 mm 615 mm 1.355 mm
Weight	81,5 kg



DUO SD

semi-active/active*	
SYSTEM DATA	
Frequency range	170 – 28.000 Hz
Efficiency (Watt / 1 m)	> 107 dB
Crossover frequencies	170/3.500 Hz
Recommended room size	> 20 qm
OmegaDrive	Yes
AirGate	Yes
HORN	
Horn type/ Acoustic design	Spherical Horn
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	670 mm
Midrange	200 mm
HORN DRIVER	
Diameter	-
Bass range	170 mm / 7 inches
Midrange	25 mm / 1 inch
High frequency range	
BASS DRIVER	
Driver size	300 mm / 12 inches
Number of drivers	1 x XB12
Voice coil diameter	153 mm
Diaphragm material	Paper-/carbon fibre compound
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 500 Watt
Digital crossover	DSP
Parametric equaliser	8 Band EQ
Digital room adjustment	Yes
Inputs	1 x SPKR; 1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	Optional
Fully balanced circuit	Yes
Class A/AB circuit	Yes
Zero feedback	Yes
Power output	2 x 100 Watt
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	670 mm 652 mm 1.552 mm
Weight	94 kg

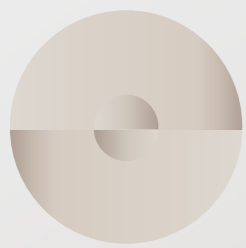
DUO GT

semi-active/active*	
SYSTEM DATA	
Frequency range	170 – 28.000 Hz
Efficiency (Watt / 1 m)	> 107 dB
Crossover frequencies	170/3.500 Hz
Recommended room size	> 20 qm
OmegaDrive	Yes
AirGate	Yes
HORN	
Horn type/ Acoustic design	Spherical Horn
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	670 mm
Midrange	200 mm
HORN DRIVER	
Diameter	-
Bass range	170 mm / 7 inches
Midrange	25 mm / 1 inch
High frequency range	
BASS DRIVER	
Driver size	300 mm / 12 inches
Number of drivers	2 x XB12
Voice coil diameter	153 mm
Diaphragm material	Paper-/carbon fibre compound
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 1000 Watt
Digital crossover	DSP
Parametric equaliser	8 Band EQ
Digital room adjustment	Yes
Inputs	1 x SPKR; 1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	Optional
Fully balanced circuit	Yes
Class A/AB circuit	Yes
Zero feedback	Yes
Power output	2 x 100 Watt
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	670 mm 696 mm 1.732 mm
Weight	108,5 kg

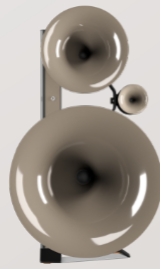
MEZZO

semi-active/active*	
SYSTEM DATA	
Frequency range	170 – 28.000 Hz
Efficiency (Watt / 1 m)	> 107 dB
Crossover frequencies	170/3.500 Hz
Recommended room size	> 20 qm
OmegaDrive	Yes
AirGate	Yes
HORN	
Horn type/ Acoustic design	Spherical Horn + downfiring
Horn opening angle	180 degrees
Horn diameter	-
Low frequency range	670 mm
Midrange	200 mm
HORN DRIVER	
Diameter	-
Bass range	170 mm / 7 inches
Midrange	25 mm / 1 inch
High frequency range	
BASS DRIVER	
Driver size	300 mm / 12 inches
Number of drivers	2 x XB12
Voice coil diameter	153 mm
Diaphragm material	Paper-/carbon fibre compound
BASS POWER AMPLIFIER	
Output power (RMS)	1 x 1000 Watt
Digital crossover	DSP
Parametric equaliser	8 Band EQ
Digital room adjustment	Yes
Inputs	1 x SPKR; 1 x XLR
Outputs	1 x XLR
iTRON ELECTRONICS	
iTRON technology	Optional
Fully balanced circuit	Yes
Class A/AB circuit	Yes
Zero feedback	Yes
Power output	2 x 100 Watt
DIMENSIONS/WEIGHT	
Dimensions	Width Depth Height (+/- 15 mm)
	670 mm 720 mm 1.714 mm
Weight	135,5 kg

*Mit iTRON-Verstärker Modul



Specifications



TRIO G3

semi-active/active*

SYSTEM DATA

Frequency range Satellite
 Subwoofer

Efficiency (Watt / 1 m)
Crossover frequencies
Recommended room size
OmegaDrive
AirGate

HORN

Horn type/ Acoustic design
Horn opening angle
Horn diameter Low frequency
range
 Midrange

HORN DRIVER

Diameter Bass range
 Midrange
 High frequency range

BASS DRIVER

Driver size
Number of drivers
Voice coil diameter
Diaphragm material

BASS POWER AMPLIFIER

Output power (RMS)
Digital crossover
Parametric equaliser
Digital room adjustment

Inputs
Outputs

ITRON ELECTRONICS

iTRON technology
Fully balanced circuit
Class A/AB circuit
Zero feedback
Power output

DIMENSIONS/WEIGHT

Dimensions Width
 Depth
 Height (+/- 15 mm)

Weight

100 – 28.000 Hz
-
> 109 dB
100/600/4.000 Hz
> 25 qm
Yes
Yes

Spherical Horn
180 degrees
960 mm
570 mm
200 mm

200 mm / 8 inches
50 mm / 2 inches
25 mm / 1 inch

-
-
-
-

-
-
-
-

-
-

Optional
Yes
Yes
Yes
3 x 100 Watt

950 mm
986 mm
1.694 mm

140 kg

SPACEHORNS

active

-
20 - 200 Hz
-
40 - 400 Hz
> 25 qm
-
-

Expo-spherical Horn
180 degrees
-
-
-

-
-
-

300 mm / 12 inches
1 x XB12 (Single Drive)
2 x XB12 (Twin Drive)
153 mm
Paper-/carbon fibre
compound

1 x 500 Watt (Single Drive)
2 x 500 Watt (Twin Drive)
DSP
8 Band EQ
Yes

1 x SPKR; 1 x XLR
1 x XLR

-
-
-
-
-

1.018 mm
1.165 mm
492 mm (Single Drive) /
748 mm (Twin Drive)

110 kg (Single Drive) /
150 kg (Twin Drive)

TWIN SUB

active

-
18 - 350 Hz
-
80 – 320 Hz
> 20 qm
-
-

downfiring
180 degrees
-
-
-

-
-
-

300 mm / 12 inches
2 x XB12
153 mm
Paper-/carbon fibre
compound

2 x 500 Watt
DSP
8 Band EQ
Yes

2 x SPKR; 2 x XLR
-

-
-
-
-
-

364 mm
950 mm
784 mm

65 kg

SYSTEM DATA

Frequency range Satellite
 Subwoofer

Efficiency (Watt / 1 m)
Crossover frequencies
Recommended room size
OmegaDrive
AirGate

HORN

Horn type/ Acoustic design
Horn opening angle
Horn diameter Low frequency
range
 Midrange

HORN DRIVER

Diameter Bass range
 Midrange
 High frequency range

BASS DRIVER

Driver size
Number of drivers
Voice coil diameter
Diaphragm material

BASS POWER AMPLIFIER

Output power (RMS)
Digital crossover
Parametric equaliser
Digital room adjustment

Inputs
Outputs

ITRON ELECTRONICS

iTRON technology
Fully balanced circuit
Class A/AB circuit
Zero feedback
Power output

DIMENSIONS/WEIGHT

Dimensions Width
 Depth
 Height (+/- 15 mm)

Weight

COLIBRI C2

passive

70 – 19,000 Hz
-
98 dB
700 Hz
> 16 m²
-
-

Spherical wave horn /
bass reflex
180°
310 x 620 mm
350 mm
-

165mm / 6.5 inches
38 mm / 1.5 inches
-

-
-
-
-

-
-
-
-

-
-

No
-
-
-
-

350 mm
390 mm
655 mm

19 kg

COLIBRI C18

active

-
18 – 120 Hz
98 dB
40 – 120 Hz
> 16 m²
-
-

-
-
-
-
-

-
-
-

460 mm
1
3"
coated paper

1.200 Watt
DSP
6 Band EQ
Yes

2x symmetrical+RCA
2x symmetrical+RCA

No
-
-
-
-

655 mm
320 mm
530 mm

42 kg

Ready for Your Personal Sound Experience?

Whether you're interested in one of our products, looking for individual advice, or would like to arrange a listening session – we'd love to hear from you.

Visit us in our showroom, experience our systems at one of our partners, or receive a personal consultation tailored to your needs.

Here's how to reach us:

Phone: +49 (0)6254 306 100

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We take time for your questions – and for your perfect sound moment.



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