

amphion



beautifully honest

Over 25 years of expertise and dedication

Sound is one of the most beautiful and exciting aspects of human life. Trying to understand it is a lifelong journey. How things sound is naturally important, but the main question we continue to ask is: ‘How does it make us feel?’

Our job as a speaker manufacturer is to open a large, clean window to sound and allow the customer to experience music in an intimate, touching way regardless of their surroundings. The goal is to come up with a pure, highly transparent loudspeaker that will vanish - leaving just the music.

“It is very humbling that the world’s best sound engineers continue to choose our products to weave their magic. Since I was 14 years old I wanted to hear what the mixing and the mastering engineers hear. That dream has been realized. There is nothing better than sharing this with others.”

Founder & CEO
Anssi Hyvönen



Handmade in Finland



Endurance through quality

Longevity and sustainability are deeply ingrained in the Finnish culture. We design and build our loudspeakers surrounded by beautiful nature. The synergy of expertise, craftsmanship, and high-quality materials lead to long-lasting, durable products.



Warranty

Amphon Loudspeakers come with a five-year warranty against defects in materials and workmanship. For both warranty or out-of-warranty service, please contact your original place of purchase for assistance and instructions.



Mark of origin

Amphon Loudspeakers Ltd. is awarded the right to use the Association of Finnish Work's key Flag Symbol mark of origin. This mark is granted to Finland-based organizations that manufacture their products in Finland, having a minimum domestic content of 50 percent.

Breathtaking sound
with deep emotional
impact

Simple signal path and seamless driver integration lead to maximum resolution and transparency and allow easy placement and ensure performance in any setting or room.

Waveguides offer multiple advantages as they improve driver integration and speaker performance in a room. Amphion's proprietary 5th generation U/D/D (Uniformly Directive Diffusion) waveguide offers an elegant solution to common speaker building problems.



Every Amphion model delivers



Point-source sound

Lowering the crossover point allows the speakers to operate in point-source manner. This leads to industry leading phase coherence and pinpoint imaging.



Room-wide sweet spot

Thanks to even dispersion, enjoyment is not limited to a single seat. Everyone in the room can share the experience equally.



Time aligned drivers

Timing properties between the various drivers are improved as the waveguide aligns the voice coils of the tweeter and the midwoofer.



Unrivalled midrange clarity

Exceptional naturalness and purity makes listening a joy. The nuances of human voice and instruments are presented in their full glory.



Low volume, high intensity

Easy to place and well-performing even under challenging acoustics. Clear and memorable even on lower listening volumes.



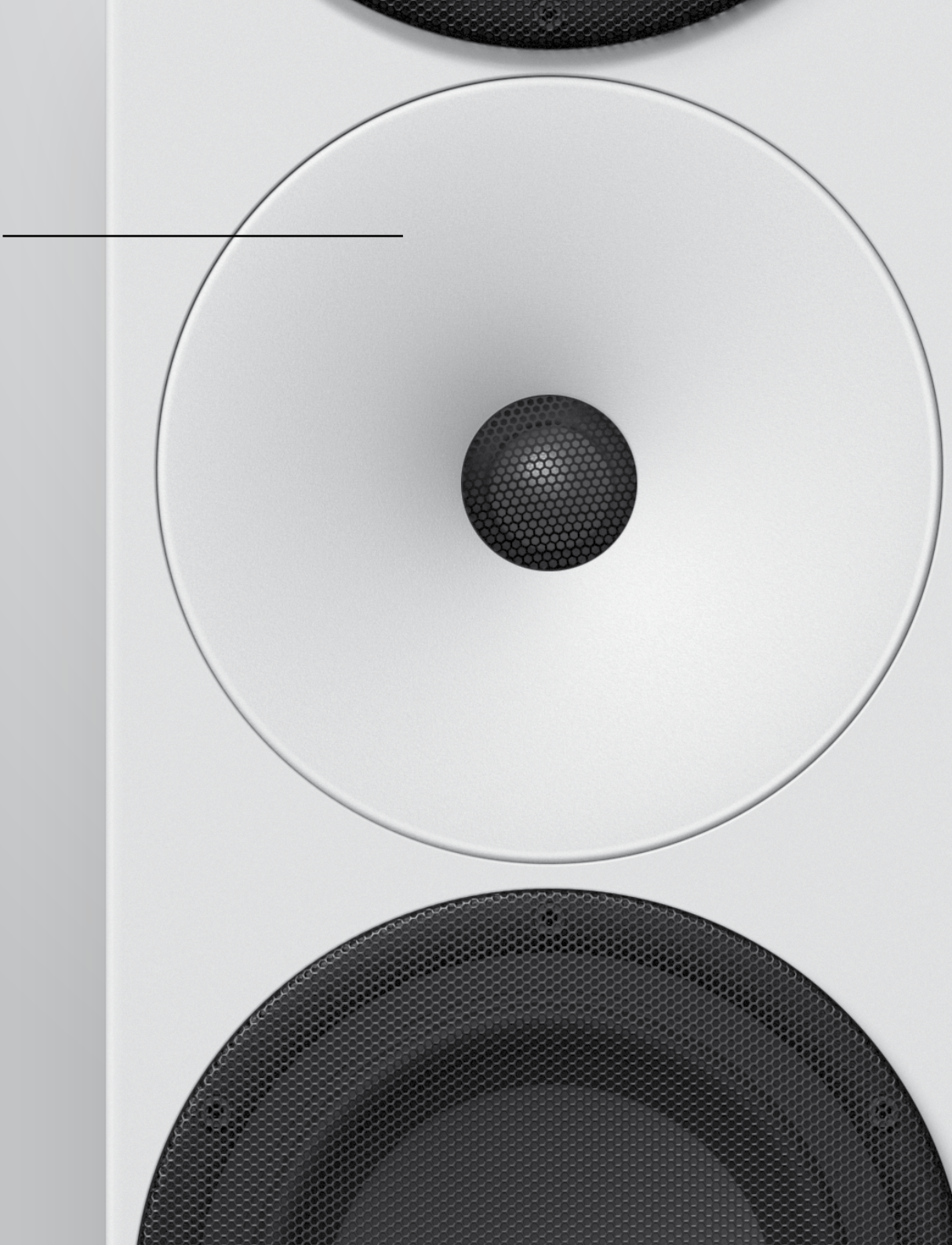
Less is more

Pushing the acoustics leads to electrical simplicity. Advanced acoustic engineering simplifies the signal path, which increases resolution and transparency.

Why is the Amphion proprietary waveguide important?

Direct-from-the-speaker sounds are always combined with room reflections. Well-executed, controlled dispersion ensures that also the off-axis (reflected) sounds have a correct balance. This results in a more controlled and predictable performance in different rooms and speaker placements. This is especially important in rooms which are acoustically hard and reflective such as concrete walls and stone floors.

Traditionally, waveguides have been used to make the tweeters more directional ie. to make them more beam-like. Amphion, being a frontrunner in waveguides, applies this technology differently. Our proprietary 5th generation U/D/D (Uniformly Directive Diffusion) waveguide achieves wide, even dispersion throughout the frequency band. In addition to allowing the speakers to perform better in all rooms - a large, room-filling, listening area means enjoyment is not limited to a single seat.



Passive Radiator Technology

Argon 3S | 3LS | 7LS utilize the passive radiator technology developed originally for Amphion's professional line. Passive radiators offer a number of performance benefits over traditional vented cabinets.

Better quality bass: Passive radiators remove the harmful sonic signature always present with reflex loading. Due to a lack of control the reflex port adds a “tail” to the original signal, which smears particularly the upper bass and the lower midrange. When properly executed, passive radiators produce the ideal, quick, controlled “start-stop” type of bass, and improve the clarity in the lower mids.

Increased midrange purity: In addition to better quality bass, the midrange purity is increased. A driver situated in a reflex cabinet is exposed to “disturbance” ie. air turbulence and pressure changes caused by air moving in and out of the reflex tube. In a closed passive reflex cabinet, the internal environment of the enclosure is better controlled, which optimizes woofer performance.

More natural energy transfer: Sound is not a mere frequency curve, it is transfer of energy from sound source to the listener. Passive radiators load the room more evenly and ensure a more natural and emotionally involving energy transfer.

Please Note: As radiators load the room somewhat differently, optimal placement can differ from what you are used to with your vented speaker. In case of bass issues, experiment with the speaker placement – passive radiators tend to allow closer to the wall placements than their vented counterparts.

Decorate with sound

Pure sound should be part of everyday life. The perfect home looks, sounds, and feels perfect. In order to achieve this, loudspeakers must become part of the home interior.



Grid & Cabinet colour variations

Cabinet colour variations



Amphion loudspeakers are available with wide range of grid colour options. Do you want to change the looks later on? Just pick another colour and replace the grids.

The RAL colour-matching system is used in the EU and by Amphion. Certain venues, apartments, homes or settings may require special colour – coordination, which is available for a reasonable surcharge. There are 213 RAL-colours, each with a 4-Digit number (eg. RAL-7035).

Grid colour variations





Superb sound in any space

Helium

The perfect home looks, sounds, and feels perfect. Let the engaging, natural sound quality of Helium elevate your listening experience, whatever the use. They are easy to place, as their controlled dispersion delivers pleasing audio – even at low volumes.

Helium’s wide, even dispersion creates a room-wide listening area so that enjoyment is not limited to a single seat and everyone in the room can share the experience equally. Through their adaptable and timeless looks, they complement your decor and lifestyle.



Variations

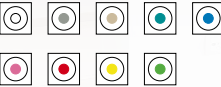
Finish



Veneer



Colour grids

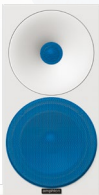


Technical specifications



Helium410

Compact yet surprising desktop loudspeaker.



Helium510

Highly versatile bookshelf loudspeaker.



Helium520

Elegant and easy to place floorstanding loudspeaker.



Helium520C

Centre speaker designed to work with all Helium models.

Operating principle	Two-way, vented	Two-way, vented	Two-way, vented	Two-way, vented
Drivers	1" titanium tweeter 4½" paper woofer	1" titanium tweeter 5¼" paper woofer	1" titanium tweeter 2x 5¼" paper woofer	1" titanium tweeter 2x 5¼" paper woofer
Crossover point	1600 Hz	1600 Hz	1600 Hz	1600 Hz
Impedance	8 Ω	8 Ω	4 Ω	4 Ω
Sensitivity	86 dB	86 dB	90 dB	90 dB
Frequency response	52 – 25.000 Hz -6dB	48 – 25.000 Hz -6dB	40 – 25.000 Hz -6dB	48 – 25.000 Hz -6dB
Power recommendation	20 – 80 W	20 – 100 W	10 – 150 W	10 – 150 W
Measurements	259 x 132 x 220 mm	316 x 160 x 265 mm	1072 x 218 x 270 mm	452 x 160 x 265 mm
Weight	4 kg (9 lbs)	6 kg (13 lbs)	17 kg (38 lbs)	9 kg (20 lbs)



Powerful precision

Argon

Speaker manufacturers tend to strive for a certain ‘sound’. The target for Argon’s is what we hear live. Nothing more. Nothing less. Only the highest quality components are used in our quest for perfection. An electrically simple-yet-elegant crossover, and innovative acoustical engineering, create a large, clean window into sound.

Natural transparency and highest level resolution allow you to experience new dimensions - even from the recordings you thought you knew by heart. Let the Argons take you away - everyday!

Variations

Finish



Veneer



Colour grids



Argon0

Zero compromise desktop loudspeaker.



Argon1

Reference-quality bookshelf loudspeaker.



Argon3S

Enjoy studio quality sound at home.



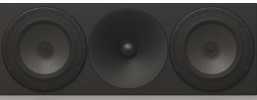
Argon3LS

Studio quality with added weight of a floorstander.



Argon7LS

Breathtaking sound with deep emotional impact.



Argon5C

Centre speaker designed to work with all Argon models.

Technical specifications

Operating principle	Two-way, vented		Two-way, passive radiator		Two-way, vented	
Drivers	1" titanium tweeter 4½" aluminum woofer	1" titanium tweeter 5¼" aluminum woofer	1" titanium tweeter 6½" aluminum woofer	1" titanium tweeter 6½" aluminum woofer	1" titanium tweeter 2x 6½" aluminum woofer	1" titanium tweeter 2 x 5¼" aluminum woofer
Crossover point	1600 Hz		1600 Hz		1600 Hz	
Impedance	8 Ω		8 Ω		4 Ω	4 Ω
Sensitivity	86 dB		87 dB		91 dB	90 dB
Frequency response	50 – 25.000 Hz -6dB		38 – 25.000 Hz -6dB		28 – 25.000 Hz -6dB	46 – 25.000 Hz -6dB
Power recommendation	25 – 120 W		50 – 150 W		50 – 150 W	25 – 150 W
Measurements	259 x 132 x 220 mm		316 x 160 x 265 mm		1158 x 234 x 344 mm	452 x 160 x 265 mm
Weight	5 kg (11 lbs)		7 kg (15 lbs)		27 kg (60 lbs)	10 kg (22 lbs)

A dream worth pursuing

Krypton

Krypton is Amphion's reference project 25 years in the making. This highly innovative and unique three-way reference loudspeaker allows you to enjoy full range, realistic orchestral performances without owning a concert hall.

Krypton's 8" midwoofers are isolated from the rest of the cabinet in perforated, cardioid chambers. This creates a cardioid-shaped dispersion pattern, which radically reduces the midrange reflections and ensures the highest level of performance, even in less-than-optimal listening environments.



The highly innovative cardioid midrange minimizes unwanted reflections from both side and back walls (up to 20 dB), and allows Krypton3's to perform exceptionally well even in small rooms or close to large windows.



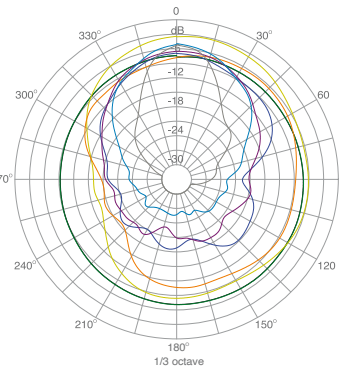
Variations

Finish



Directivity plot 101-14050 Hz

- 101 hz
- 359 hz
- 507 hz
- 1000 hz
- 2000 hz
- 7551 hz
- 14050 hz



Technical specifications

Operational principle	three-way, vented
Drivers	1" titanium (integrator) tweeter 2 x 8" papyrus midrange 10" aluminium woofer
Crossover point	160 Hz / 1600 Hz
Impedance	4 Ω
Sensitivity	89 dB
Frequency response	21 – 25.000 Hz -3d
Power recommendation	100 – 300 W
Measurements	1370 x 330 x 480 mm
Weight	70 kg / 154 lbs





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Amphion Loudspeakers Ltd. was established in 1998.

We design and build loudspeakers that are characterised by honest and accurate sound reproduction.