

amphion®

Argon

Reference manual
07/2025



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Welcome

Thank you for choosing Amphion.

Your new speaker is based on the same advanced acoustical engineering, which world's top sound engineers trust and enjoy daily. We have made our products as room friendly and natural as possible, so that you can be touched by the beauty of sound regardless of what you listen to. Kindly do not hesitate to get in touch with us or your dealer in order to get most of investment. Timeless design, best possible materials and the skilled hands of experienced Finnish craftsmen are used in order to ensure years of daily pleasure.

Joy is best when shared. Please let us know via email or social media how you or those close to you enjoy your Amphions.

Now unpack, connect, sit back, and experience them. Enjoy!



Anssi Hyvönen
Founder & Managing Director
Amphion Loudspeakers Ltd

Warranty and Support



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.



Mark of origin

Amphion 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.



Warranty

Amphion 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.

Please do not return/ship any product to amphion nor its resellers without prior authorisation.



Grid and Cabinet Variations

Amphion loudspeakers are available with a wide range of grid colour options, which can be swapped to a new colour when your interior changes.

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 216 RAL-colours, each with a 4 Digit number (eg. RAL-7035).

Cabinet colour variations



Full white

Standard white

Black

Walnut

Grid colour variations



Black

Stone grey

Beige brown

Turquoise blue



Sky blue

Heather violet

Traffic red

Sulfur yellow

Yellow green

Powerful precision

Speaker manufacturers tend to strive for a certain "sound". The target for Argons is what we hear "live". Nothing more. Nothing less. Only the highest quality components are used in our quest for perfection. High-quality SEAS drivers, an electrically elegant and simple crossover, and innovative acoustical engineering create a large and clean sonic-window into all kinds of music. Natural transparency and highest level resolution allow you to experience new aspects even from the recordings you thought you knew by heart.

Let the Argons take you away! Everyday.



Argon5C



Argon0



Argon1



Argon3S



Argon3X



Argon3LS



Argon3LX



Argon7LS



Argon7LX

What is a waveguide?

Waveguide: A generic term to describe a structure that directs sound waves, with minimal loss of energy, by restricting their expansion to one or two dimensions. It helps create a wide, even sweet spot - though highest treble is always directive. It solves cabinet diffraction issues, aligns drivers, and makes dispersion-patterns between drivers more even across a wide frequency-band.

Amphion's proprietary waveguide: Amphion is a frontrunner in waveguide technology, and is widely recognised for their use of tweeter waveguides in front of the driver to control directionality - incorporating a technology called U/D/D (Uniformly Directive Diffusion).

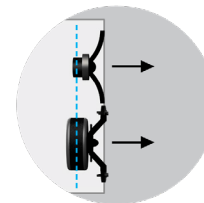


Passive Radiator

Use of a passive radiator instead of a vent not only makes for a more controlled natural energy transfer and improved faster bass but also enhances the midrange clarity. Due to the passive radiator the speaker can be placed surprisingly close to the rear wall (around 15cm / 6inches) with no affects to the sound.

Time-adjusted drivers

All products use time-adjusted drivers and a 1600 Hz tweeter crossover. This leads into point-source like behavior and seamless driver integration. Rock-solid “phantom” centre, life-like 3D imaging, and an extremely wide and deep sweet-spot are characteristic of all Amphion products.



Speaker Placement

Acoustic centre-point of the speakers

This is either between the end of the waveguide and driver (single-woofer product) or tweeter centre (two-woofer product).

Phantom Centre

For correct stereo imaging do not place speakers too far apart. Use a vocal track where the singer is in the centre. Move speakers wider apart to hear the “hole” developing in the middle of the soundstage, then move them closer until channels integrate.

3D | Depth Information

Start by aiming a direct line from the acoustic centre-point to outside your shoulder line. Then “fine-tune” the sound to your liking. Note that highest treble is always directive. Adding higher treble may actually smoothen the audio in the upper-midrange.

Tilting - If Needed

Small wedges at either front or back edges of speaker help to align/aim the acoustic centre to the listeners ear. It is not overly critical but helps achieve the required sound.

Care

Care



- When setting or re-positioning speakers, wear soft cotton gloves.
- To clean, use a soft cotton or microfiber cloth. Do not use excess rubbing-force.
- Use water or CIF Multi-surface Window Cleaner (e.g. JIF, HANDY ANDY, VIM, VISS).
- Spray cleaner onto the cloth first, rather than directly onto the cabinet.
- Test-clean a small area on the back or under the cabinet to check surface reaction.
- When cleaning the walnut-finish, wipe in the direction of the wood-grain.

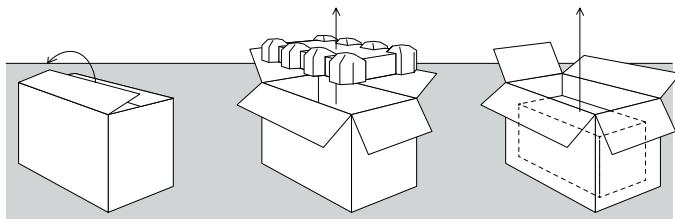
Maintenance support

Typically, a wide variety of factors influence loudspeakers’ performance. Please contact your local Amphion dealer or sales representative for specification, connectivity and positioning recommendations for your specific system. For more information, you can also be in touch with Amphion headquarters.

Instructions

Argon0 / Argon1 / Argon3S / Argon3X / Argon5C

① Unpacking



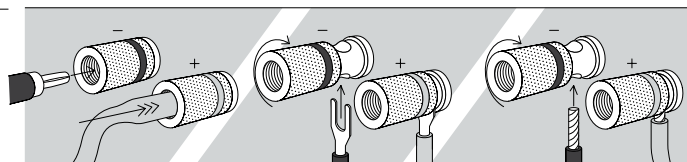
② Setup



③ Connecting

Argon0
Argon1

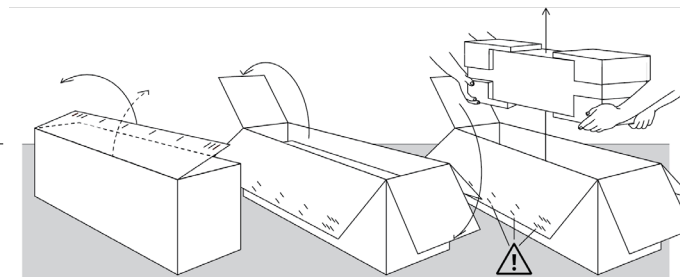
For Argon3S, Argon3X and Argon5C, see
step 3 on page 15.



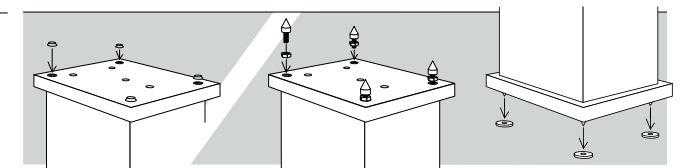
Instructions

Argon3LS / Argon3LX / Argon7LS / Argon7LX

① Unpacking

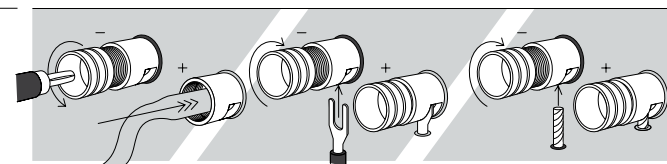


② Setup



③ Connecting

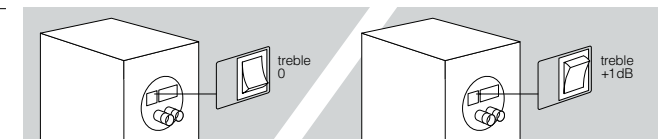
Argon3S Argon3LS
Argon3X Argon3LX
Argon5C Argon7LS
Argon7LX



④ Treble switch

Argon3S
Argon3LS
Argon7LS

Adjust the speaker's treble switch to +1 for
a more open sound in damped rooms or to
suit personal preference.



Argon0



Wall mount
option available



Technical specifications

Physics






| | |
|--------------------------|----------------------|
| Operating principle | Two-way, vented |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 4½" aluminium woofer |
| Measurements (H x W x D) | 259 x 132 x 220 mm |
| Weight | 5kg (11 lbs) |





Performance

| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 86 dB |
| Frequency response | 50 - 25 000 Hz - 6dB |
| Power recommendation | 25 - 120 W |


Variations

Colour grids






Finish



Veneer



Argon1



Wall mount
option available



Technical specifications

Physics






| | |
|--------------------------|----------------------|
| Operating principle | Two-way, vented |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 5½" aluminium woofer |
| Measurements (H x W x D) | 316 x 160 x 265 mm |
| Weight | 7kg (15 lbs) |





Performance

| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 86 dB |
| Frequency response | 45 - 25 000 Hz - 6dB |
| Power recommendation | 25 - 150 W |





Variations

Colour grids






Finish



Veneer



Argon3S



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 6½" aluminium woofer |
| Measurements (H x W x D) | 380 x 190 x 305 mm |
| Weight | 10kg (22 lbs) |

Performance





| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 87 dB |
| Frequency response | 38 - 25 000 Hz - 6dB |
| Power recommendation | 50 - 150 W |

Variations


Colour grids







Finish



Veneer





Argon3X



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 6½" aluminium woofer |
| Measurements (H x W x D) | 380 x 190 x 305 mm |
| Weight | 10kg (22 lbs) |

Performance





| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 87 dB |
| Frequency response | 38 - 55 000 Hz - 6dB |
| Power recommendation | 50 - 250 W |

Variations


Colour grids







Finish



Veneer





Argon3LS



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 6½" aluminium woofer |
| Measurements (H x W x D) | 995 x 234 x 344 mm |
| Weight | 21kg (46 lbs) |

Performance






| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 85 dB |
| Frequency response | 30 - 25 000 Hz - 6dB |
| Power recommendation | 50 - 150 W |

Variations





Colour grids



Finish



Veneer



Argon3LX



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 6½" aluminium woofer |
| Measurements (H x W x D) | 995 x 234 x 344 mm |
| Weight | 21kg (46 lbs) |

Performance






| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 8 Ω |
| Sensitivity | 85 dB |
| Frequency response | 30 - 55 000 Hz - 6dB |
| Power recommendation | 50 - 250 W |

Variations





Colour grids



Finish



Veneer



Argon7LS



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 2 x 6½" aluminium woofer |
| Measurements (H x W x D) | 1157 x 234 x 344 mm |
| Weight | 27kg (60 lbs) |

Performance






| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 4 Ω |
| Sensitivity | 91 dB |
| Frequency response | 28 - 25 000 Hz - 6dB |
| Power recommendation | 50 - 150 W |

Variations

Colour grids



Finish



Argon7LX



Technical specifications

Physics






| | |
|--------------------------|---------------------------|
| Operating principle | Two-way, passive radiator |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 2 x 6½" aluminium woofer |
| Measurements (H x W x D) | 1157 x 234 x 344 mm |
| Weight | 27kg (60 lbs) |

Performance






| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 4 Ω |
| Sensitivity | 91 dB |
| Frequency response | 28 - 55 000 Hz - 6dB |
| Power recommendation | 50 - 300 W |

Variations

Colour grids



Finish



Argon5C



Technical specifications

Physics






| | |
|--------------------------|--------------------------|
| Operating principle | Two-way, vented |
| Tweeter | 1" titanium tweeter |
| Mid / woofer | 2 x 5½" aluminium woofer |
| Measurements (H x W x D) | 452 x 160 x 265 mm |
| Weight | 10kg (22 lbs) |

Performance






| | |
|----------------------|----------------------|
| Crossover point | 1600 Hz |
| Impedance | 4 Ω |
| Sensitivity | 90 dB |
| Frequency response | 46 - 25 000 Hz - 6dB |
| Power recommendation | 25 - 150 W |

Variations


Colour grids







Finish



Veneer







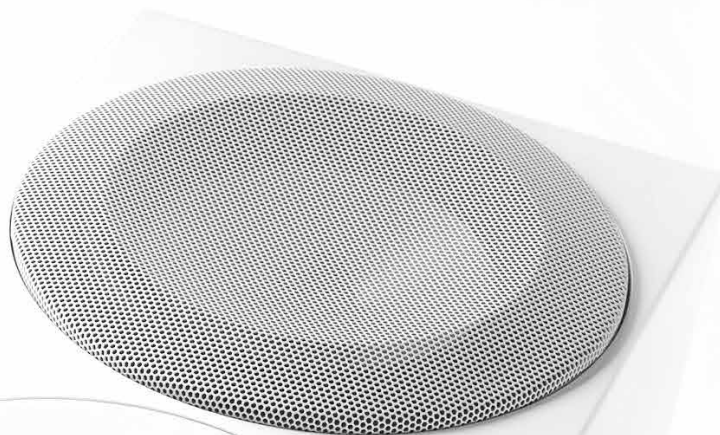


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