



PHANTOM **IN-WALL** SPEAKERS



IN ADMIRATION OF MUSIC



DALI IN-WALLS

It's all about hiding the hardware and revealing the music.

And although the idea of mounting speakers in your living-room walls is not a new one, the concept of doing so *without* compromising musical performance certainly is.

No other speakers in the world accomplish this as effectively as our range of PHANTOM in-wall speakers.

From a dedicated two-channel music system to a full-blown multi-channel solution, our PHANTOM speakers will give you a sound experience that is out of sight.

Remove the speakers, stands and cables from your room.

And let the music prevail.





WIDE DISPERSION

DALI makes it easy to integrate your loudspeakers in any room. We carefully select driver materials, optimize driver geometry and design the crossover to achieve wide dispersion.

DALI loudspeakers fill a wider area of the room with smooth, integrated sound. We design our loudspeakers for optimal time- and frequency-response, even for listeners seated off-center. This is important, as one rarely sits directly in front of the loudspeaker when listening to music. The sound from the speakers always reaches the ear mixed with reflections from the surrounding surfaces.

The benefit is wide, even sound dispersion, resulting in outstanding room integration, a larger sweet spot and a wider listening area.

3D AUDIO

Low-loss technology is a key characteristic of DALI loudspeakers. By rigorous selection of components and construction materials, we ensure optimal signal preservation. You experience a richly detailed, true-to-life sound, spread evenly throughout the room.

When listening to DALI loudspeakers you can't pin-point their exact locations. You'll hear everything *exactly* as intended: If the artist wants you to hear sound coming from certain angles, our loudspeakers will master this to perfection. DALI's combination of low-loss technology and Time Coherence creates true 3D Audio in stereo as well as in surround.

The benefit is a transparent, holographic, three-dimensional soundstage.





[IKON PHANTOM | PHANTOM VOKAL]

PHANTOM IN-VIRONMENT

DALI PHANTOMs have a wide, uniform dispersion pattern with excellent dynamic capabilities. They reveal tremendous amounts of detail without ever becoming edgy or changing their tonal characteristics as sound levels go up. This makes them ideally suited for discrete multi-channel installations.

All PHANTOMs ship and sell in single-unit cartons, making odd-numbered applications - such as the majority of multi-channel systems - possible without having to split a pair.



IN-STALL APPLICATIONS

Almost every room in your home offers the opportunity to listen to great music. Think about it. Take advantage of it. Take pride in it.



IN ADMIRATION OF MUSIC

PHANTOM VOKAL

Hybrid tweeter module | 2 x 5" drivers | Gold-plated binding posts

72-30.000 Hz | H17.2" x W10.8" x D3.9" | 13.5 lb

TAKING CENTER STAGE

The newest member of the PHANTOM range expands the PHANTOM universe to include outstanding multi-channel movie and music experiences. PHANTOM VOKAL has been carefully voice-matched to our other PHANTOMs to facilitate seamless integration into a breathtaking surround system. The PHANTOM VOKAL is an addition destined to become legendary among multi-channel home entertainment enthusiasts.

The exceptionally wide dispersion characteristics of our proprietary hybrid tweeter module ensure that even listeners seated at off-center positions will fully enjoy the big picture.



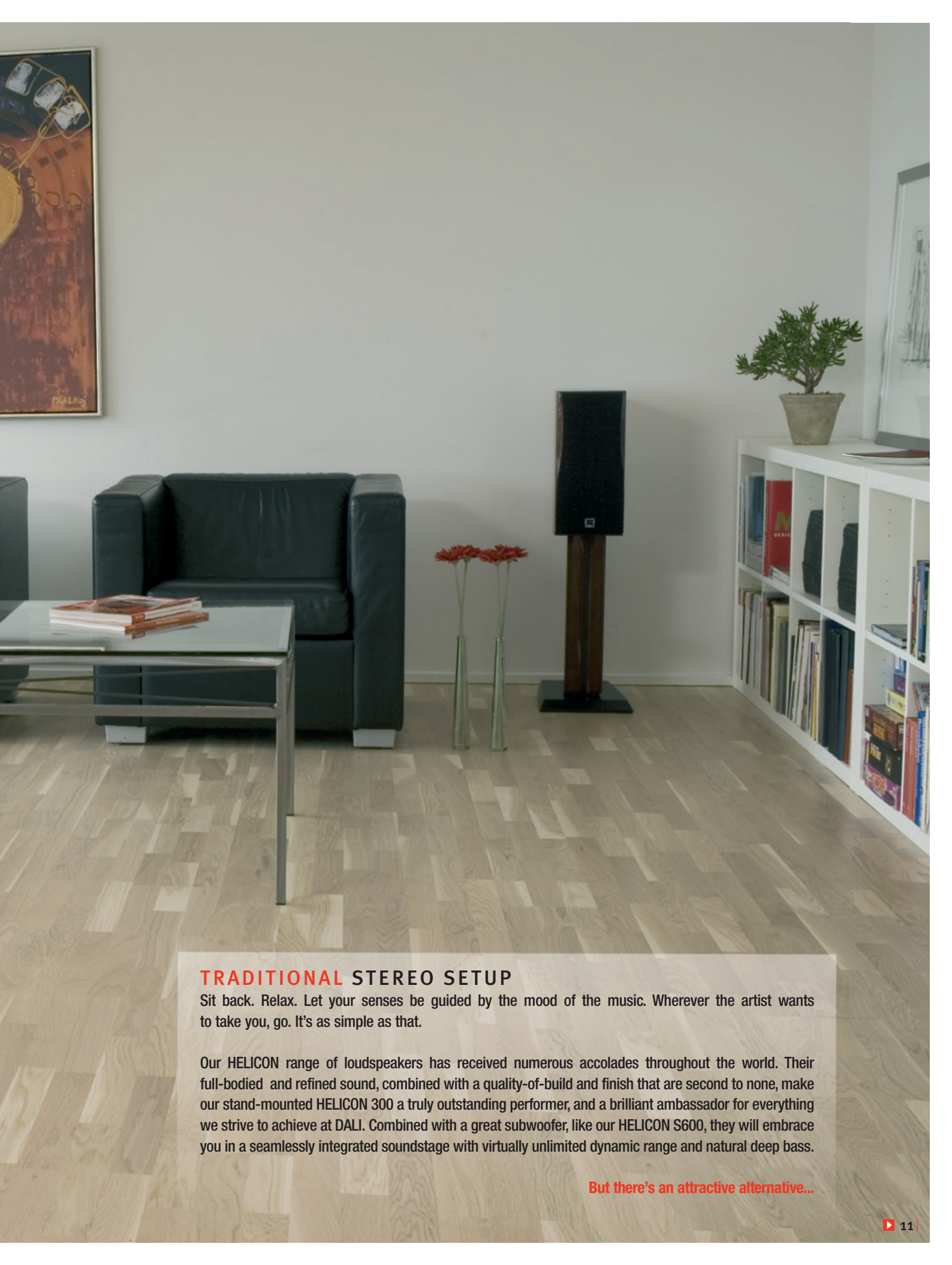
Lightning fast, soft dome tweeter with exceptional dynamic headroom.



2 x 5" coated paper/wood composite fiber cone with low-loss surround.







TRADITIONAL STEREO SETUP

Sit back. Relax. Let your senses be guided by the mood of the music. Wherever the artist wants to take you, go. It's as simple as that.

Our HELICON range of loudspeakers has received numerous accolades throughout the world. Their full-bodied and refined sound, combined with a quality-of-build and finish that are second to none, make our stand-mounted HELICON 300 a truly outstanding performer, and a brilliant ambassador for everything we strive to achieve at DALI. Combined with a great subwoofer, like our HELICON S600, they will embrace you in a seamlessly integrated soundstage with virtually unlimited dynamic range and natural deep bass.

But there's an attractive alternative...



IN-WALL SPEAKERS OFF THE WALL SOUND

PHANTOM in-walls are aimed at the music enthusiast who compromises on neither performance nor discreetness of design. Consequently, they are designed and built to standards that are miles above those of the average in-wall speaker. And it shows: To see, all you have to do is listen.

IN-WALL STEREO SETUP

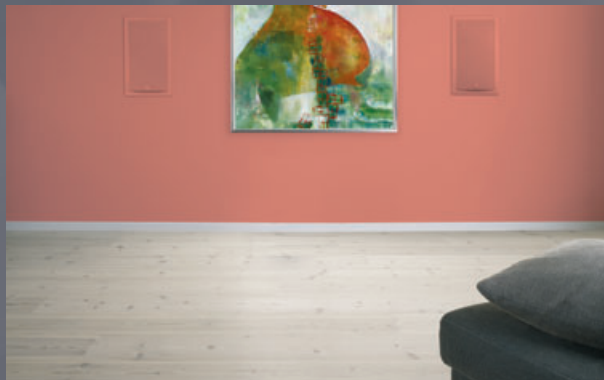
A pair of HELICON PHANTOMS will do everything the HELICON 300s do. You just won't see them standing about on the floor, bragging about it...

Unobtrusiveness is a virtue of most in-wall speakers. Uncompromised performance is not. If you wish to compromise on neither, there's no better way to go than a pair of PHANTOMS. All our PHANTOM speakers perform as well as – in some instances even better than – their corresponding stand-mounted siblings. If you previously gave up on in-walls as a source for true high-end audio, then it's time to release the PHANTOMS in your walls.



UNITED COLORS OF DALI

Show your colors - whatever they may be. The PHANTOM front grilles and bezels are enameled in neutral white, allowing for easy custom-color matching to your home environment. Painting is easy, using the enclosed painting/masking template supplied with all PHANTOMS. We've included an additional DALI logo badge as well.



EUPHONIA PHANTOM

Hybrid tweeter module | 6.5" driver | Gold-plated binding posts

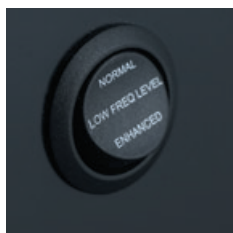
64-28.000 Hz | H18.8" x W11.2" x D3.9" | 16.0 lb

THE BEST THERE IS

Tremendous efforts have gone into the development of all components found in the EUPHONIA PHANTOM, including the high bandwidth and lightning-fast drivers, identical to the those found in all our high-end EUPHONIA speakers. The result is crystal-clear, uncolored sound from your living room or home-theatre walls. Want the best? Look no further...

"The DALI EUPHONIA PHANTOM is an excellent loudspeaker, understated in design and beautiful in performance."

| The Perfect Vision



Low-frequency level switch optimizes the bass performance in your room.



Spring-loaded, gold plated binding posts and earthquake fixing.



[Recommended subwoofer | EUPHONIA AS2]



HELICON PHANTOM

Hybrid tweeter module | 6.5" driver | Gold-plated binding posts
64-27.000 Hz | H18.8" x W11.2" x D3.9" | 15.4 lb

HERITAGE EMBEDDED IN THE WALLS

Building on the experience gained while developing the EUPHONIA PHANTOM, the objective when designing the HELICON PHANTOM was to attain the performance level of the high-end stand-mounted HELICON 300. This is exactly what you get.

The visually discreet HELICON PHANTOM delivers spine-tingling sonic purity with an enthusiasm that will satisfy even the most discerning connoisseur.

"The DALI's (HELICON PHANTOM) were superior in every way."

| Positive Feedback



The cast aluminum front of our ribbon /silk dome hybrid tweeter module.



6.5" coated paper/wood composite fiber cone with low-loss surround.



[Recommended subwoofer | HELICON S600]



IKON PHANTOM

Hybrid tweeter module | 6.5" driver | Gold-plated binding posts
64-30.000 Hz | H17.2" x W10.8" x D3.9" | 12.6 lb

BREAKING THE SOUND BARRIER

In terms of price, the IKON is the “humble” PHANTOM in-wall speaker. But there is nothing humble about the way the IKON performs. This gifted little performer plays music like a maestro, inviting you to stick around for just one more record, time after time. High-end in-wall speaker performance begins right here...

“It's hard to believe, that you can get so much loudspeaker for so little money.”
| Heimkino



6.5" coated paper/wood composite fiber cone with low-loss surround.



Low mass, soft silk-dome tweeter with oversized dome area.



[Recommended subwoofer | IKON SUB]



[BACK-UP]

DALI PHANTOMS have earthquake fixings, and come complete with all necessary pre-installation templates, painting mask, bit and Allen key for seamless [retro-]fitting in a standard 4" x 14" house wall. Naturally, all DALI PHANTOMS comply with the most recent safety regulations.

[RIBBON TWEETER]

Depending on the specific PHANTOM in question, the ribbon tweeter gently rolls in from somewhere between 13-15 kHz to support the silk dome. The ribbon units' powerful neodymium magnets make the ultra-lightweight, conductive diaphragm move with unparalleled speed and precision. Top that off with a wide, horizontal dispersion pattern, and the result is a ribbon that faithfully reveals the air and ambience of even the most subtle recordings.

[SILK DOME TWEETER]

Oversized. Lightweight. Lightning fast. Just three of the important ingredients that go into the recipe for our immensely dynamic soft dome tweeter. It also makes an ideal companion to the ribbon in our proprietary Hybrid Tweeter Module, giving you the best of both worlds.

[6.5" LOW-LOSS DRIVER]

Although different in design, all PHANTOM speakers have a stiff, yet lightweight paper/wood-composite fiber cone driven by a massive magnet with a highly focused flux. The motor is bonded and bolted onto a rigid, die-cast aluminum basket, that has been meticulously designed to minimize any kind of air compression.

[DOGLEG MOUNTS]

The PHANTOM is securely mounted to the wall using fiberglass reinforced doglegs. Just tighten the six speaker-baffle screws and gently press the perforated grille in place. Done.

[RIGID BAFFLE]

To complement our inert, die-cast enclosure, we use a rigid MDF-baffle. The aluminum enclosure is thoroughly damped using vibration- and resonance-dissipating materials within the cabinet. The benefit is an optimum working environment for our drivers.



[INSIDE OUT]

The DALI PHANTOMs all make use of a curved, cast aluminum rear enclosure, that optimizes the acoustic environment for our proprietary drivers. This massive, rigid structure eliminates wall cavity resonances and colorations, and frees up the sound.

[IN-WALL = NO COMPROMISES]

The PHANTOMs use technology identical to that found in our corresponding stand/shelf speakers, but refined for optimum in-wall performance.

Knowing the acoustic environment is a major advantage when designing speakers. A wall acts as an infinite baffle, a feature we had the opportunity to translate directly into performance benefits with our PHANTOM speakers. So we did.



INSTALLATION IN 4 EASY STEPS



Use the enclosed template to pre-position the PHANTOMs and outline the wall cutout.



Measure twice. Cut once.



Connect the cables to the spring-loaded terminals. Attach wire to the earthquake fixing.



Install and tighten the six dogleg screws and enjoy.



PHANTOM PHRAME

On-wall frame | For EUPHONIA & HELICON PHANTOM

FROM IN-WALL TO ON-WALL

The PHANTOM PHRAME is designed, built and finished using high-quality materials that transform your EUPHONIA or HELICON PHANTOM in-wall speakers to on-wall speakers without any sacrifice in sound quality. A convenient addition to your PHANTOMs, if you prefer a visually discreet wall-mounted high-end speaker solution, but don't want to cut holes in your walls.

COMMON FEATURES

- Wide Dispersion
- 3D Audio
- Low Resonance Cabinets
- Time Coherence
- Hand Crafted
- Amplifier Optimized

	IKON PHANTOM	HELICON PHANTOM	EUPHONIA PHANTOM	PHANTOM VOKAL
Frequency range [Hz, +/- 3dB]	64-30.000	64-27.000	64-28.000	72-30.000
Sensitivity [dB, 1 W @ 1 m]	88	89	89	89
Nominal Impedance [ohm]	8	8	4	8
Maximum SPL [dB]	106	107	108	108
Crossover frequencies				
- Mid [Hz]	3.000	3.000	3.100	3.000
- High [Hz]	14.000	13.000	15.000	13.000
Enclosure type	Closed	Closed	Closed	Closed
Placement	In-wall	In-wall [on-wall using PHANTOM PHRAME]	In-wall [on-wall using PHANTOM PHRAME]	In-wall
Dome tweeter [mm, diameter]	28	25	28	28
Ribbon [mm, HxW]	45x17	55x10	55x10	45x17
Low Freq. driver [inches]	6.5	6.5	6.5	2 x 5
Dimensions [mm, HxWxD]	436x274x113	480x290x110	480x290x110	436x274x113
[inches, HxWxD]	17.2x10.8x4.4	18.8x11.2x4.3	18.8x11.2x4.3	17.2x10.8x4.4
Cut-out dim. [mm, HxWxD]	400x237x100	432x240x100	432x240x100	400x237x100
[inches, HxWxD]	15.7x9.3x3.9	17.0x9.5x3.9	17.0x9.5x3.9	15.7x9.3x3.9
Connection inputs	Spring-loaded binding posts	Spring-loaded binding posts	Spring-loaded binding posts	Spring-loaded binding posts
Controls			Bass level	
Weight [kg/lb]	5.7 / 12.6	7.0 / 15.4	7.3 / 16.0	6.1 / 13.5
Finish	White Lacquer (NCS S0502-Y)	White Lacquer (NCS S0502-Y)	White Lacquer (NCS S0502-Y)	White Lacquer (NCS S0502-Y)

[All technical specifications are subject to change without notification]



IN ADMIRATION OF MUSIC

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