



IN ADMIRATION OF MUSIC



## HELICON MK<sub>2</sub>

- MEGALINE
- EUPHONIA
- ▶ HELICON MK<sub>2</sub>
- MENTOR
- IKON
- CONCEPT
- SUBWOOFER



## Quality Time - Precious Moments - DALI HELICON MK2

Increasingly, we spend our lives in splendid isolation, in front of computer screens, reading, travelling from one destination to the next. The moments that we actually share with friends and loved ones have become so precious to us that we felt the need to invent a name for them - quality time.

Fortunately, movies and music are the quintessential group experience. Sharing movies and music with a loved one, with family and friends can be a stolen moment, outside time, a precious lasting memory.

As DALI approaches its 25th anniversary, the revitalized DALI HELICON MK2 series continues to build on our considerable experience in designing loudspeakers to be as true to the original sound as possible.

This all-new range delivers sonic realism to enable and encourage a willing suspension of disbelief that transports you to another time and place where you can forget all about technology and audio systems and lose yourself in a thrilling musical or cinematic experience.

At DALI, we start with a full and firm understanding of the fact that throwing technology at a problem is no solution at all. Therefore, we set sonic excellence as our goal and simply pursue the straightest possible path to that goal.

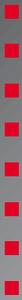
When we succeed, a new work of art is lovingly crafted to re-create another.

Please visit your nearest authorized DALI dealer for a demonstration of the HELICON MK2 series.

Enjoy!



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## HELICON [800 MK2]

Hybrid tweeter module | 2 x 8" woofers | 6.5" midrange | Bi-wiring binding posts | 31-27,000 Hz | H1126 x W304 x D539 mm | 42.4 kg | H44.3 x W12.0 x D21.2" | 93.5 lb |

HELICON 800 MK2, the largest floorstanding model in the all-new HELICON MK2 range, shares many features and technologies in common with our acclaimed top-of-the-line EUPHONIA series to place it head and shoulders above the competition.

The distinctive curvature of the side panels and the brilliant sheen of the high-gloss lacquered cabinets are a foreshadowing of the quality and refinement of the technology concealed within.

HELICON 800 MK2 is a musical revelation for your stereo listening pleasure and a tower of strength for your surround sound movie viewing, employing dual 8" bass drivers for tightly controlled, powerful deep bass extension and DALI's unique hybrid tweeter module for sparkling, extended high frequencies with remarkable resolution.

A moment's listening reveals a new world of detail, subtlety and unbounded dynamic potential that conveys all the complexity, power and passion of the greatest music and finest films.



- **Hybrid Tweeter Module** | All HELICON MK2 speakers (except HELICON S600 MK2) feature a hybrid tweeter module with a 1" dome and a ribbon tweeter. The dome reproduces the full high-frequency range. But like all dome tweeters, it starts beaming at frequencies above approximately 13 kHz. To compensate, the ribbon tweeter is gently rolled in above that point.
- **Low Loss Drivers** | All HELICON MK2 mid/woofer drivers are designed with lightweight wood fiber cones. Combined with low loss rubber surrounds and suspensions, the cones can move lightning fast, transforming the tiniest electrical signal to subtle musical detail.

## HELICON [400 MK2]

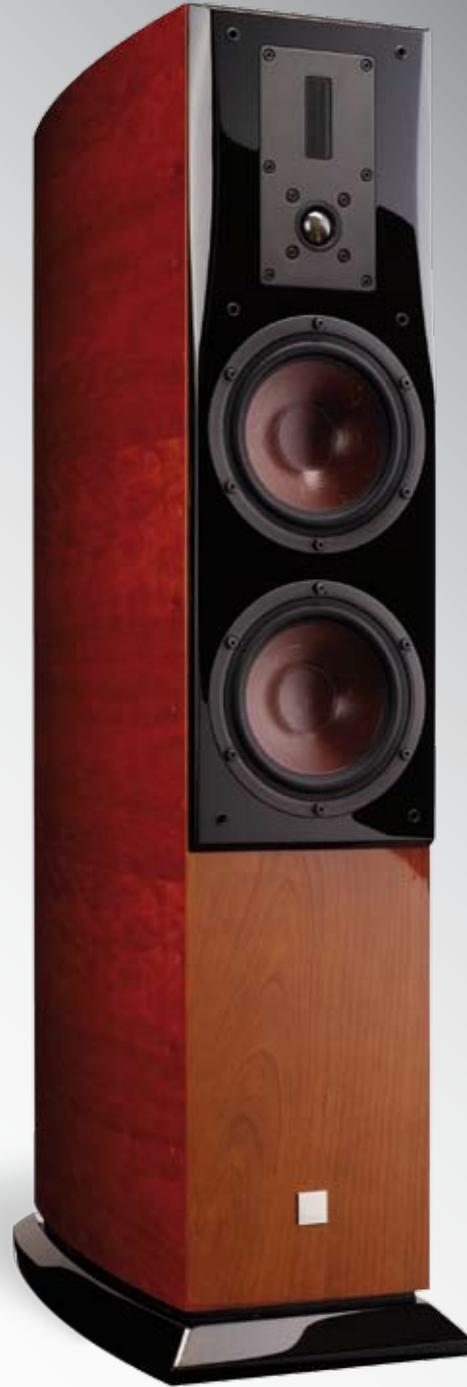
Hybrid tweeter module | 2 x 6.5" mid/woofers | Bi-wiring binding posts  
| 31.5-27,000 Hz | H1026 x W267 x D501 mm | 32.0 kg | H40.4 x W10.5  
x D19.7" | 70.5 lb |

HELICON 400 MK2 throws down the gauntlet, challenging loudspeakers well beyond its price class to step up to the outstanding level of performance and styling on offer here.

HELICON 400 MK2 is a highly refined fusion of exquisite exterior design and innovative proprietary driver and cabinet technologies. And, above all, it is a musical instrument of extraordinary grace and power.

The exceptional beauty and sculptural elegance of this floorstanding work of art is worthy of a place in the finest interiors, where it will bring your most treasured movies and music to life as you have never heard them before.

Where space is at a premium, HELICON 400 MK2 is the ideal choice for music and movies in small to medium sized rooms.



■ **Vice Grip Bi-amping/wiring Binding Posts** | All new high quality gold-plated binding posts. The binding posts accept banana plugs, Y-lug connectors and bare cable ends.

■ **Non-resonant Cabinets** | The HELICON MK2 cabinets are made of laminated Medium Density Fiber boards (MDF), which makes them inert to build-up of disturbing resonance. The real wood surfaces are high gloss lacquered and polished 7 times to achieve a stunning finish.





## HELICON [300 MK2]

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Hybrid tweeter module | 6.5" mid/woofer | Bi-wiring binding posts | 37-27,000 Hz | H435 x W208 x D402 mm | 10.5 kg | H17.1 x W8.2 x D15.8" | 23.1 lb |

Stylish in the understated elegance of its sleek lines, HELICON 300 MK2 makes a proud addition to any contemporary interior.

Providing unrivalled full-frequency sound from a compact enclosure, HELICON 300 MK2 atop its matching dedicated STAND (sold separately) delivers forceful, dynamic sound from a system of modest dimensions.

Taking full advantage of the wealth of knowledge and experience acquired during the development of its larger siblings, HELICON 300 MK2 concentrates the effortless power and breathtaking subtlety that have become HELICON trademarks in a luxurious, compact system that puts many larger speakers to shame.

## HELICON [STAND MK2]

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Real wood veneer with high gloss finish | Height optimized for HELICON 300 MK2 | H555 x W281 x D405 mm | 20.5 kg | H21.9 x W11.1 x D15.9" | 45.2 lb |

The dedicated HELICON STAND MK2 is a solid foundation for HELICON 300 MK2, positioning the speaker at an optimum height for listeners seated in normal furniture.

Spikes or rubber feet can be used between the stand/speaker and stand/floor.

[ HELICON 300 MK2 + STAND MK2 | Rosenut ]



■ **Spikes** | All HELICON MK2 speakers (except HELICON 300 MK2 and C200 MK2) include a set of four spikes and protecting tablets. Depending on your floor, the spikes might improve clarity and soundstage.

■ **Bass Port** | All HELICON MK2 speakers (except HELICON S600) are ported on the rear side of the cabinet. For reduced turbulence, the ports are trumpet-shaped. The ports ensure optimum time/phase response for more natural sound reproduction.

## HELICON [C200 MK2]

Hybrid tweeter module | 2 x 6.5" mid/woofer | Bi-wiring binding posts  
| 49-27,000 Hz | optional aluminum stand | H210 x W650 x D440 mm  
| 18.4 kg | H8.3 x W25.6 x D17.1" | 40.5 lb |

HELICON C200 MK2 center channel loudspeaker is designed to play a leading role in the finest multi-channel audio system. Since most of the dialogue and on-screen effects of any motion picture soundtrack are directed to the center channel, it makes sense to select the best.

Placed beneath the screen (we recommend mounting it directly on top of the HELICON S600 subwoofer), HELICON C200 generates a soundstage perfectly matched to the onscreen action for a convincing viewing experience.

Magnetically shielded for safe placement close to a television and employing essentially the same driver complement as HELICON 400 MK2, HELICON C200 MK2 takes the drama out of system selection and set-up, while perfectly capturing all the drama of your favorite films.

## HELICON [S600 MK2]

2 x 12" long stroke woofers | 25 - 175 Hz | 300 W [RMS] Class A/B amplifier | H640 x W420 x D420 mm | 40.0 kg | H25.3 x W16.5 x D16.5" | 88.2 lb |

The sculptural HELICON S600 MK2 dual-driver subwoofer is dedicated to deep bass, the final frontier in home entertainment and a far more crucial element in the musical or cinematic experience than most music and film enthusiasts realize.

The reproduction of the bottom octaves with natural weight and authority is essential to the believability of both music and movies, yet it is also the most difficult aspect of the audio spectrum to reproduce with full force and body.

And we're not just talking about explosions and special effects. The subtle spacial cues that define the size, shape and character of a recorded space include substantial deep bass components that must be rendered accurately, yet potent for a more complete sonic illusion.

HELICON S600 MK2 delivers the subsonic goods with power to spare.



- **C200 STAND** | Instead of using HELICON S600 MK2 as stand for C200 MK2, a second option is available; a discreet, non-resonant stand. The stand is black, made of aluminum with vibration absorbers made of rubber (not pictured).

- **Powerful Amplifier** | The amplifier in HELICON S600 MK2 is a 300 W powerful Class A/B design with a power supply that uses a toroidal transformer. The advantage is significantly lower magnetic radiation (that can potentially induce 50/60 Hz noise). The subwoofer can be used both in music and movie setups.









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## Quiet - Genius at Work

When asked what was the hardest part of creating a work of art, a great artist is said to have replied, "Knowing when to stop."

The story may be apocryphal, but it is certainly apropos.

The purpose of a loudspeaker system can be summed up in just a few words - to create the illusion that the listener is actually experiencing the recorded event "live".

But defining a goal and realizing it are two very different things.

To fulfil this ambitious goal, DALI HELICON MK2 loudspeakers incorporate:

- Hybrid tweeter module for wide dispersion characteristics and improved sound reproduction
- Woofer and midrange drivers with wood fiber cones, low loss rubber surrounds and extra powerful magnet systems for increased dynamics, low distortion and strict cone control
- Hard-wired crossover with high quality components and very short signal path for minimum signal loss
- Vice grip bi-wire/bi-amping binding posts with fine thread for higher torque and improved electrical connection
- Amplifier-friendly electrical design with flat impedance load to maximize amplifier performance
- High gloss lacquered real wood veneer cabinet
- Piano black sandwich baffle for elimination of vibration

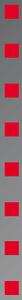
The challenge of improving on the performance of the acclaimed HELICON MK2 loudspeaker range has been met. Now you can experience firsthand the benefits:

- Wide listening area in front of the speakers with full sound spectrum
- A coherent field of direct and reflected sound for natural, realistic reproduction
- Improved dynamics
- Enhanced high frequency reproduction
- Better room integration
- Lower distortion
- No need to point the speakers towards your favorite listening position (toe in)

You can read more about the DALI design principles on our website - [www.dali.dk](http://www.dali.dk).



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## ■ ■ ■ ■ ■ Hybrid Tweeter Module

The specially designed DALI hybrid tweeter module is more than a distinctive visual element in the HELICON MK2 series. On its own, a conventional soft dome tweeter will "beam" sound at higher frequencies (typically above 10 kHz), covering only a narrow area directly in front of the speaker. Listeners outside this "sweet spot" will experience significantly reduced high frequency output, resulting in duller sound.

In order to deliver the full spectrum of sound across a wider listening area, DALI employs an innovative high-frequency ribbon driver to enhance response above 13 kHz. With the fine-tuned DALI hybrid tweeter module, great sound is not only available at a "hot seat" centered between the speakers. Now you can share that great sound with friends and family with no restrictions.



## ■ ■ ■ ■ ■ Driver Technology

High performance loudspeakers require outstanding components which is why we at DALI make designing the best drivers for a given speaker a high priority.

The individual drivers must transform as much of the electrical signal from the amplifier to an acoustic signal, preserving the full spectrum with perfect timing and perfect integration.

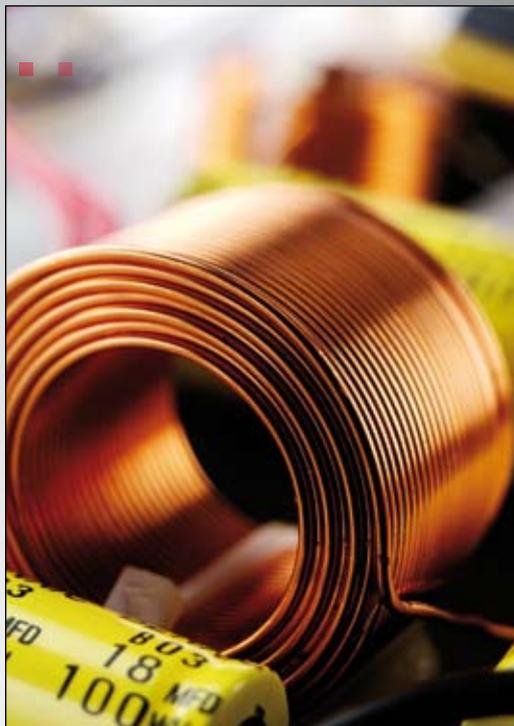
To maximize the throughput, DALI drivers have low internal losses; we use low loss rubber surrounds, light/stiff wood fiber cones, lightweight domes and magnetically saturated Class A magnet systems. The drivers are also optimized to minimize flow losses round the chassis/spider/magnet system. All in all, these unique drivers are designed to be a perfect match in a complete speaker system.

## Crossovers

The basic task of the crossover filter is to ensure that each driver receives only the portion of the total frequency range that it is optimized to reproduce. The crossover filter is also to ensure, that each contribution from the drivers are phase aligned and in correct phase.

DALI's crossovers are designed for smooth, seamless sound, as if everything you hear originated from a single ideal drive unit.

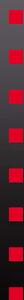
All components are of very high quality. The component layout is optimized by ear to eliminate component crosstalk. The unique combination of crossovers and drivers in the HELICON MK2 series presents a very easy impedance load as seen from the amplifier.



## Binding Posts

For enhanced performance, the HELICON MK2 series features newly developed binding posts. The base is a laser-cut aluminum plate, mounted to the cabinet with six hex-screws. Fine thread on the binding posts allows extra torque on the connected speaker cable for unimpeded signal transfer. For a shorter signal path, the conductor consists of a single piece of gold-plated metal.





## The Magic of Pure Sound

Creating superior sound has always been the cornerstone in our mission to deliver the best music experience possible. Exploring, testing and developing new ways to reproduce sound using the latest technology is what we live for at DALI.

Our skilled “sound creators” are driven by raw enthusiasm and follow the DALI sound philosophy in all aspects when creating a DALI loudspeaker:

**3D Audio** | DALI's time coherence and low-loss technologies create a transparent, holographic, three-dimensional soundstage.

**Amplifier Optimized** | DALI's linear impedance design ensures an audible reduction of amplifier instability and coloration.

**Time Coherence** | The unique DALI drivers, optimized cabinets and carefully tuned crossovers ensure optimal time coherence in the reproduced sound.

**Wide Dispersion** | DALI designs drivers and crossovers to produce wide, even sound dispersion, resulting in outstanding room integration, a larger sweet spot and a wider listening area.

**Low Resonance Cabinets** | Specially designed cabinets reduce resonances and coloration of the sound for natural, realistic sound.

**Hand Crafted** | Hand crafted from the fitting of the cabinet to final electroacoustic testing, each and every speaker is personally approved and signed by the person who assembled it.

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*Since 1983, DALI – Danish Audiophile Loudspeaker Industries – has designed, developed and produced high performance Hi-Fi loudspeakers.*

*With a reputation for quality, reliability and integrity, DALI offers an exciting range to suit every taste from the ultimate performance speakers to the cost-conscious series.*



DALI headquarters, Denmark



## HELICON MK2 features:

High gloss finish ■ Real wood cabinets ■ Hybrid tweeter module ■ Low loss drivers  
 Vice grip binding posts ■ Spikes included with all models except 300 MK2 and C200 MK2



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Available in:



HELICON 800 MK2      HELICON 400 MK2      HELICON 300 MK2\*      HELICON C200 MK2\*\*      HELICON S600 MK2

Frequency Range +/- 3 dB [Hz]	31 - 27,000	31.5 - 27,000	37 - 27,000	49 - 27,000	25 - 175
Crossover Frequencies [Hz]	580 / 3,000 / 13,000	700 / 3,000 / 13,000	3,400 / 13,000	2,800 / 13,000	45 - 120
Sensitivity [2.83 V / 1m] [dB]	89.5	88.0	86.0	90.0	-
Nominal Impedance [Ω]	4.0	4.0	4.0	4.0	20k
Minimum Impedance [Ω]	3.6	3.7	4.3	3.8	20k
Maximum SPL [dB]	113	111	108	111	117
Recommended Amp Power [Watt]	50 - 400	50 - 300	50 - 200	40 - 250	-
Amplifier	-	-	-	-	300 W RMS / 600 W Peak
High Frequency Drivers	1 x 25 mm soft dome 1 x 10 x 55 mm ribbon	1 x 25 mm soft dome 1 x 10 x 55 mm ribbon	1 x 25 mm soft dome 1 x 10 x 55 mm ribbon	1 x 25 mm soft dome 1 x 10 x 55 mm ribbon	-
Midrange Drivers [inch]	1 x 6½"	-	-	-	-
Low Frequency Drivers [inch]	2 x 8"	2 x 6½"	1 x 6½"	2 x 6½"	2 x 12" long throw
Enclosure Type	Bass reflex	Bass reflex	Bass reflex	Bass reflex	Closed box
Bass Reflex Tuning Frequency [Hz]	28.5	32.0	34.5	36.0	-
Terminals	Bi-wire	Bi-wire	Bi-wire	Bi-wire	Phono/RCA
Recommended Placement	Floor	Floor	Stand	above/below screen	Floor
Magnetic Shielding	Yes	Yes	Yes	Yes	Yes
Standby Power Consumption [Watt]	-	-	-	-	1.5
Dimensions [HxWxD] [mm]	1126 x 255 x 493	1026 x 219 x 457	435 x 208 x 356	210 x 650 x 435	642 x 420 x 415
Dimensions STAND [HxWxD] [mm]	-	-	555 x 281 x 405	-	-
Dimensions [HxWxD] [inch]	44.3 x 10 x 19.4	40.4 x 8.6 x 18	17.1 x 8.2 x 14	8.3 x 25.6 x 17.1	25.3 x 16.5 x 16.3
Dimension STAND [HxWxD] [inch]	-	-	21.9 x 11.1 x 15.9	-	-
Weight, speaker [kg/lb]	40.9/90.1	31.7/69.7	9.8/21.6	18.4/40.5	40.0/88.1
Weight, STAND [kg/lb]	-	-	20.5 /45.2	-	-
Finish	High gloss cherry and rosenut	High gloss cherry and rosenut			