



IN ADMIRATION OF MUSIC



DALI ZENSOR



Stay Analogue or go Wireless – Your Choice!

The DALI ZENSOR and ZENSOR AX series are genuinely affordable hi-fi loudspeakers unmistakably based upon the heritage of DALI's High End series, packed with in-house technology and its very own visual DALI identity.

The analogue DALI ZENSOR series, consisting of six models, covers every need - from a compact stereo configuration to an ambitious multi-channel set up.

Whereas the powered ZENSOR AX 1 and 5, with the build in 2 x 50W stereo all digital amplifier sets you free from the electronics traditionally associated with a high quality stereo experience.

Both series features aluminium style details, integrated in the high gloss lacquered front baffle as a natural extension of the sleek cabinet, the ZENSORS's stylish form is contemporary, yet timeless. A design that fits well into any home, whichever set up solution you prefer to enjoy your favourite music or movie from.

With core DALI values present in every single detail and aspect, The ZENSOR series is rooted in our highly respected sound principles

Enjoy!



IN ADMIRATION OF MUSIC





[DALI ZENSOR 7 | Black finish]

Stay Analogue with the DALI ZENSOR series



[DALI CONNECT Cable SC RM230ST (Terminated)]



DALI ZENSOR 7

Standing 97.8 cm tall, the flagship model of the series is distinctive and handsome in its contemporary high-gloss lacquered finish. If you crave the full blown sonic experience in a mid to large sized room, this is the way to go!

Being the Magnus Opus of the series, only ZENSOR 7 is equipped with 2x7" woofers. The larger cone area on all ZENSOR's compared to market standards ensures a highly effortless and authentic reproduction of musical dynamics. Add to this a 25 mm dome tweeter where the mass of the dome material has been reduced significantly to offer the utmost accuracy in the reproduction of high frequencies.

Every detail has been handled with care. The stylish, rounded edges reduce diffraction to minimize distortion; solid aluminium style features compliment the front baffle; an aluminium base raises the speaker from the floor; and a detachable front grille is included for protection and to offer visual alternative.

Our vision is not to make another traditional loudspeaker, but instead to offer a unique and fully satisfying experience based upon our roots and core values. Thus ZENSOR 7 is a truly potent loudspeaker, capable of reproducing the finest details from a stereo signal – by itself or as forceful front speaker in a surround set up.



Tweeter | With a clear heritage from our high end series, the lightweight dome tweeter offers best in class resolution. It features timing due to the position of the tweeter, minimised compression and increased power handling, thanks to the vented voice coil former. The damping material under the dome minimises reflections from the pole piece.



Wood Fibre Cones | Both the 5 1/4" and the 7" ZENSOR woofers feature 4-layer voice coils for maximum control of the wood fibre cone. The low loss construction is ensured by a rigid metal basket and meticulously optimised cone. The result is bass authority, well-controlled reproduction of micro-detail and great transient capabilities.



Cabinet | CNC machined MDF board, dressed in a top-of-the-class laminate forms the framework of the speaker. In addition, the floor-standing models feature strong internal bracing to reduce structural resonances.

In order to optimise timing, the ZENSOR's are fitted with acoustic damping material internally along the sides, top and bottom - but not on the rear side of the front baffle as this creates a more direct contact between woofer and bass port. The audible result is a more precise bass and increased 'attack' in the midrange.

The elegant aluminium base elevates the floor-standing models.

DALI ZENSOR 5

Today, we all expect that little extra care and attention, when it comes to the visual appearance, performance and details. The ZENSOR 5 more than lives up to these expectations.

The ZENSOR 5 front baffle features the exclusive ZENSOR high-gloss lacquered finish, while high-grade vinyl adds an inviting, smooth look to the cabinet made of medium density fibreboard, incorporating soundproof material and internal bracings.

Like its big brother, the ZENSOR 5 highlights a line of prominent features such as removable front grille, steady aluminium base, front mounted bass reflex port, and a single-wired connection input of premium quality. 15 cm shorter than its larger sibling yet still more than 80 cm tall, the floor-standing ZENSOR 5 will prove to be a recognizable and modern companion blending into your home décor with discreet good taste.

Naturally, the 2 x 5 1/4" woofers are completely newly developed, drawing on a comprehensive heritage of successful DALI woofers. While the low-loss construction guarantees optimised cone and suspension for lasting enjoyment of the entire soundscape.

ZENSOR 5 is where to look, if you wish to embellish your home environment with an authoritative and realistic performer that never leaves a doubt as to its origin in DALI High End heritage.



DALI ZENSOR 3

Combining the best features from the compact ZENSOR 1 and the flagship ZENSOR 7, the ZENSOR 3 works equally well on a stand or on a bookshelf and will fit easily into any mid-sized to larger rooms.

Despite the compact look ZENSOR 3 is equipped with a 7" woofer. The woofer cones are made from a blend of fine grained paper pulp reinforced with wood fibre, which ensures that every micro detail in the signal is reproduced unfiltered. This allows it to generate a large soundscape, and a surprisingly deep and precise bass.

This sonic experience is achieved through utilization of DALI low-loss technologies. Combined with the ultra-low mass soft dome tweeter the result is a very detailed mid-range and high-frequency which delivers optimum reproduction of both music and movie sound.

The elegant design, flexible placement options and the detailed sound reproduction makes the ZENSOR 3 perfect for use in a stereo setup and will fit perfectly in any ZENSOR surround setup.



DALI CONNECT stand E-600

Placement of the speaker is one of the most important things when setting up a sound system. Placing a stand speaker the correct distance from the floor is a very big part of getting the optimum audio experience. The DALI CONNECT Stand E-600 is developed to achieve just that.

Standing on a delicate cut but very robust silk matte painted glass plate the DALI CONNECT Stand E-600 measures 602 mm. The high-gloss lacquered aluminium tube includes cable managements and the black painted iron top plate includes adhesive areas to securely hold the speaker to the stand.



DALI ZENSOR 1

Making sense! That's what ZENSOR 1 is all about, packing as much legacy and music as possible into a slim and compact cabinet that you can carry home under your arm.

The versatile ZENSOR 1 is ideal as an all-round stereo loudspeaker ideally positioned in small to medium sized rooms. It even works well as front speaker in a 2.1 stereo set-up or as a rear speaker in 5.1 systems including a subwoofer, as a refined, yet powerful sound source.

Distinguished by such well-known DALI signature elements as the light and yet stiff wood fibre cones, ZENSOR 1 delivers a highly dynamic, detailed, and undisturbed sound reproduction, while ultra-low mass dome tweeter material ensures a widely extended frequency range.

The soundproof design ideas of DALI provide the background for ZENSOR 1, created in respect and admiration of music. From the basic construction to details such as the integrated wall bracket, rounded edges, and rear-mounted bass reflex port.



Enclosure | The high gloss front baffle complements the high-grade laminate enclosure and offers an exclusive look and feel. The round edges not only please the eye, but also reduce diffractions, minimising distortion in the listening experience.



Terminals | High quality DALI terminals secure maximum grip on speaker cables, whether raw or fitted with banana plugs.

DALI ZENSOR VOKAL

Blood is thicker than water – and ZENSOR VOKAL is created specifically to match the timbre and tonal balance of its family.

The centre loudspeaker is a crucial aspect of home cinema, since this is where the majority of dialogue in movie soundtracks is to be found. ZENSOR VOKAL is engineered to fulfil its purpose: to establish a realistic voice and surround illusion.

The sonic integration abilities of ZENSOR VOKAL, ideal for shelf mounting below your TV screen, is convincing as is the voice matching to the other models of the range. ZENSOR VOKAL includes a front-mounted bass reflex port and is a perfect match for the DALI SUB E-12 F.

ZENSOR VOKAL is the centre loudspeaker to complete that sonic feeling of being there yourself.



DALI ZENSOR PICO

Using technologies known from the award winning DALI ZENSOR series and a perfect match between woofer and cabinet volume the ZENSOR PICO delivers an astonishing detailed, coherent and open sound. Despite its small size you will be pleased with its bass performance. Place it close to the wall or directly on the wall for optimum performance. The ZENSOR PICO model also includes a ZENSOR PICO VOKAL for the ultimate compact surround experience.



Recommended subwoofers for the DALI ZENSOR series

DALI SUB E-12 F

The heart of this subwoofer is the 12" front-firing long-stroke woofer. It is powered by an ultra-efficient Class-D amplifier. Embracing classic DALI design elements, the E-12 F will deliver a seamless low frequency extension of your AV system and the powerful, well-balanced bass reproduction will flawlessly integrate with your main speakers.



DALI SUB E-9 F

The SUB E-9 F features a 9" woofer, capable of moving lots of air with power and precision. The cone is made from pure aluminium for maximum stiffness and a becoming exterior. Furthermore, the heavy magnet system wields a massive 4-layer, long-stroke voice coil.



What HiFi Sound & Vision Awards

The DALI ZENSOR 5 5.1

- Best Speaker Package: 2011, 2012

"It's no bloater, but there's nothing all that discreet about the Zensor 5 5.1 set-up – by the standards of floor standing speakers the Zensor 5s up front are tidily proportioned, but the Vokal centre is a fairly hefty item, and just because the Zensor 1s have wall-hanging brackets on their back panels, that doesn't mean they're not going to intrude into your room. The E-12F subwoofer is the same as that included in the equally successful Fazon 3 5.1 package on p74 – and it's an effective device, too, working in conjunction with its Zensor partners just as impressively as it does with the Fazon satellite".

"In conclusion, we'll lift a quote from the Zensor 5 5.1's First Test: "this is a brilliantly realised set-up and cracking value for money". For £1300 you really can't go wrong".



WHAT HI-FI?
SOUND AND VISION
AWARDS 2011
SPEAKER PACKAGES
BEST FLOORSTANDING PACKAGE £700-£1500
DALI ZENSOR 5 5.1

The DALI ZENSOR 1 5.1

- Product of the Year: 2013, 2014. Best speaker package: 2015

"This one needs no introduction, but deserves one nonetheless. The Dali Zensor 1 5.1 package is our reigning champion. Not only has it won Awards in the £700-£1500 arena, it has also been our traditional speaker packages Product of the Year for two years in a row. It will take something spectacular to knock down these Danish warriors.

In the package are two pairs of Dali Zensor 1 standmounters, former Award-winners in their own right. Accompanying them is the Zensor Vokal centre and the E-9F subwoofer. Together they run like clockwork. What you get is arguably the most stunningly entertaining sound this money can buy."

"We have tremendous respect for the DALI ZENSOR 1 5.1 package. That it's lasted this long is impressive but it's doubly admirable that it's still at the top of their game".



WHAT HI-FI?
SOUND AND VISION
AWARDS 2013
PRODUCT OF THE YEAR
BEST FLOORSTANDING PACKAGE £700-£1500
DALI ZENSOR 1 5.1

ZENSOR features:

Contemporary yet stylish appearance • Wood Fibre Cones • Vented Voice Coil • Low Loss Construction • High Gloss Front Baffle
Aluminium base • Front Mounted Bass Reflex Port



	ZENSOR 7	ZENSOR 5	ZENSOR 3	ZENSOR 1	VOKAL	ZENSOR PICO / VOKAL	SUB E-12 F	SUB E-9 F
Frequency Range [+/- 3] dB [Hz]	40 - 26,500	43 - 26,500	50 - 26,500	53 - 26,500	47 - 26,500	62 - 26,500	28 - 190	37 - 200
Sensitivity [2.83V/1m] [dB]	90.0	88.0	88.0	86.5	88.5	84	-	-
Nominal Impedance [Ω]	6	6	6	6	6	6	-	-
Input Impedance [Ω]	-	-	-	-	-	-	25k	25k
Max. Power Consumption [Watts]	-	-	-	-	-	-	250	250
Max. Amplifier Power Output [Watt RMS]	-	-	-	-	-	-	220	220
Cont. IEC Power Output [Watt RMS]	-	-	-	-	-	-	170	170
Maximum SPL [dB]	110	108	108	106	109	103	112	111
Recommended Amp. Power [Watts]	40 - 150	30 - 150	25 - 125	25 - 100	30 - 150	40 - 125	-	-
Crossover Frequencies [Hz]	2,400	2,400	2,600	2,900	2,400	2,000	40 - 120	40 - 120
Crossover Principle	2-way	2-way	2-way	2-way	2-way	2-way	-	-
High Frequency Driver	25 mm soft dome	-	-					
Low Frequency/midrange Driver(s)	2 x 7"	2 x 5¼"	1 x 7"	1 x 5¼"	2 x 5¼"	1 x 4½"	1 x 12" Long Stroke	1 x 9" long stroke
Enclosure Type	Bass reflex	Bass reflex	Bass reflex					
Bass Reflex Tuning Frequency [Hz]	40.0	44.0	46.0	51.5	45.0	57.0	36.0	39.0
Connection Input(s)	Single wire	Single	RCA Stereo (low pass filtered) RCA LFE (Mono)	RCA Stereo (low pass filtered) RCA LFE (Mono)				
Recommended Placement	Floor	Floor	Shelf/Stand	Wall / shelf / (Stand)	Shelf below TV screen	Wall/shelf/(Stand)	Floor, near wall or corner	Floor, near wall or corner
Recommended distance from wall [cm]	20 - 80	20 - 80	5 - 30	0 - 20	0 - 20	0 - 10	-	-
Magnetic Shielding	No	No	No	Semi shielding	Semi shielding	No	No	No
Dimensions (H x W x D) [mm]	994 x 257 x 320	840 x 162 x 253	351 x 205 x 293	274 x 162 x 220	161 x 441 x 288	PICO: 231 x 141 x 195 VOKAL: 141 x 231 x 195	370 x 340 x 380	307 x 288 x 311
Dimensions (H x W x D) [inches]	39.4 x 10.2 x 12.6	33.2 x 6.4 x 10.0	13.8 x 8.1 x 11.5	10.8 x 6.4 x 8.7	6.3 x 17.4 x 11.4	PICO: 5.7 x 9.1 x 7.7 VOKAL: 9.1 x 5.7 x 7.7	14.6 x 13.4 x 15.0	12.1 x 11.3 x 12.2
Weight [kg/lb]	14.9/32.8	10.3/22.7	6.3/13.9	4.2/9.3	6.8/15.0	3.1/6.8	14.7 / 32.84	11.0/24.3
Available Finish	Black Ash, White, Light Walnut	Black, White, Light Walnut	Black, White, Light Walnut					
Accessories incl.	Manual, Rubber pads, Spikes	Manual, Rubber pads, Spikes	Manual, Rubber bumpers	Manual, Rubber bumpers	Manual, Rubber pads	Manual, Rubber pads	Manual, Mains cable, Spikes M6	Manual, Mains cable, Spikes M6
Optional accessories	White grille	-	-					

Go wireless with the DALI ZENSOR AX series



[DALI ZENSOR 5AX | Black finish]

The ZENSOR AX AMPLIFIER

The ZENSOR 1 and 5 AX series is driven by a fully digital Class-D 2x 50 Watts amplifier and based on the technology of the highly appraised analogue ZENSOR series, sharing the same passive crossover, which is paramount for getting the characteristic ZENSOR sound quality.

Making full use of the purely digital signal path, the Optical input reads any TOSLink signal with a sampling rate between 32 – 176.4 KHz at a bit rate from 16 to 24 bit. The Optical signal is passed to the DSP and then onwards to the amplifier.

Both the analogue signal and the signal from the Bluetooth interface is passed through the A/D converter and converted from its analogue state into a 24 bit 96 KHz digital signal. Sampling the analogue signal from the Bluetooth receiver helps make any noise more random and way more musical. This together with the high quality Apt-X compression format supported by the ZENSOR AX helps keep the Bluetooth audio signal at the best possible quality level. Once the signal has passed through the A/D converter, it is then passed onto the DSP.

DALI believes in a hands-off approach to the audio signal and therefore no equalisation is performed on the signal by the DSP. The main function of the DSP is to handle non-clipping controlling, thereby keeping the signal clear and powerful at any frequency.

The amplifier receives a PWM signal at 384 KHz from the DSP, which is then digitally amplified by the 50 Watts RMS Open Loop amplifier. The amplified signal is then received by the passive crossover that distributes the signal to the drivers.

Feeding every component in the amplifier is the auto sensing switch mode power supply, which is capable of working from 100V to 240V.





ZENSOR 5 AX

The built-in 2 x 50W stereo all-digital amplifier is integrated in the left speaker (the right speaker is passive) and delivers the audio signal to both speakers and is designed to bring out the best from its ZENSOR host regardless of the signal type. You can use Bluetooth and Apt-X if your device supports it, you can connect an analogue source with a mini-jack or an optical via TosLink.

Place the ZENSOR 5 AX just where you would a traditional floor-standing speaker. The ZENSOR 1 AX fits easily on a shelf as well as on a stand – or mounted on the wall. Once in place you're ready to start playing music via Bluetooth and while you're at it, connect your TV via the optical input or any type of traditional audio player via the analogue input.

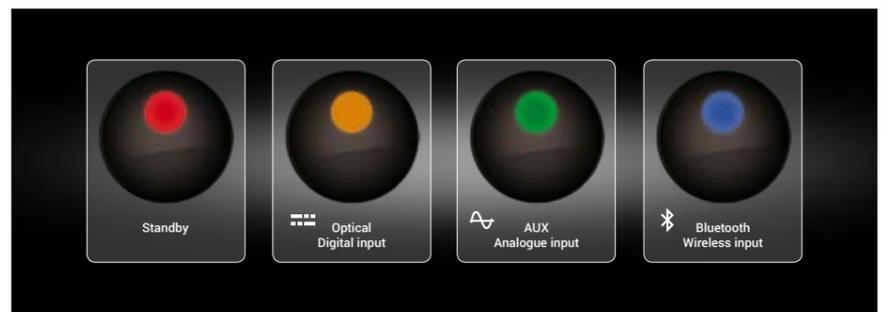


The 5 1/4" woofers in the ZENSOR AX series feature 4-layer voice coils for maximum control of the wood fibre cone. The low-loss construction is ensured by a rigid metal basket and meticulously optimized cone. The result is bass authority, well-controlled reproduction of micro-detail and great transient capabilities.

With a clear heritage from our high-end series, the lightweight dome tweeter in the ZENSOR AX offers best-in-class resolution. It features timing due to the position of the tweeter, minimized compression and increased power handling, thanks to the vented voice coil former. The damping material under the dome minimises reflections from the pole piece.



ZENSOR 1 AX



- HI-FI quality audio without the hassle of bulky electronics
- Classic DALI trademarks – Wood Fibre cones and large Soft Dome tweeter
- 2 x 50 Watts fully digital amplifier
- Bluetooth (Apt-X), Optical and Analogue inputs
- Subwoofer output

TECHNICAL SPECIFICATIONS

	ZENSOR 1 AX	ZENSOR 5 AX
Frequency Range (+/-3 dB) [Hz]	53 - 26,500	43 - 26,500
Maximum SPL [dB]	104	106
Crossover Frequency [Hz]	2,900	2,400
Crossover Principle	2-way	2-way
High Frequency Driver	25 mm soft dome	25 mm soft dome
Low Frequency Driver	1 x 5 1/4"	2 x 5 1/4"
Enclosure Type	Bass reflex	Bass reflex
Continuous IEC Amplifier Output [RMS watt]	2x50W	2x50W
Input Impedance [Ω]	12.6K	12.6K
Input Sensitivity [mV]	350	350
Connection Input(s)	3.5mm Stereo mini jack, Optical (Toslink)	3.5mm Stereo mini jack, Optical (Toslink)
Wireless Input	Bluetooth™ Apt-X	Bluetooth™ Apt-X
Connection Output	Sub out	Sub out
Amplifier Type	Fully digital class D (Open loop type)	Fully digital class D (Open loop type)
Maximum digital Resolution[bits/KHz]	24 / 96	24 / 96
Magnetic Shielding	No	No
Recommended Placement	Wall/Shelf/Wall	Floor
Input Mains	Universal mains 100-240V	Universal mains 100-240V
Maximum Power Consumption [W]	160W	160W
Standby Power Consumption [W]	<0.5W	<0.5W
Dimensions (HxWxD) [mm]	274 x 162 x 240	840 x 212 x 282
Dimensions (HxWxD) [inches]	10.8 x 6.4 x 9.4	33.1 x 8.3 x 11.1
Weight [kg/lb]	4.6 / 10.1	11.0 / 24.3
Accessories Included	Mains cable, rubber feet, wall bracket, rubber bumpers, remote control, manual, right speaker wire	Mains cable, rubber feet, spike set, remote control, manual, right speaker wire
Available Finish:	Black Ash, White, Walnut	Black Ash, White, Walnut



IN ADMIRATION OF MUSIC

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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:

Holographic Sound Imaging | 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, optimised cabinets and carefully tuned crossovers ensure optimum 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.



DALI headquarters, Denmark

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 is driven by a raw passion for music and a deep respect for the artists who interpret it. The development and refinement of new technologies to increase the realism of the home entertainment experience is the main objective in our quest to create what we believe to be the best loudspeakers in the world.

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