

IKON®

MANUAL

IN ADMIRATION OF MUSIC





CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE BACK PANEL. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



The lightning flash within an equilateral triangle is intended to alert you to the presence of uninsulated „dangerous voltage“ within the product's enclosure that may be of sufficient magnitude to constitute an electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
6. Carts and Stands - The appliance should be used only with a cart or stand if recommended by the manufacturer.
7. Wall or Ceiling Mounting - The appliance should be mounted to a Wall or ceiling only as recommended by the manufacturer.
8. Ventilation - The appliance should be situated so that its location or position does not interfere with proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet, that may impede the flow of air through the ventilation openings.
9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.
10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Power Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from appliance.
12. Cleaning - Do not use any liquid cleaners. Use only a dry cloth to wipe off dust and grease.
13. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
14. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
15. Damage Requiring Service - The appliance should be serviced by qualified personnel when:
 - a) The power-supply cord or the plug has been damaged; or
 - b) Objects have fallen, or liquid has been spilled into the appliance; or
 - c) The appliance has been exposed to rain; or
 - d) The appliance does not appear to operate normally, or exhibits a marked change in performance; or
 - e) The appliance has been dropped, or the enclosure damaged.
16. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

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DANISH AUDIOPHILE LOUDSPEAKER INDUSTRIES

Thank you for selecting DALI IKON loudspeakers. It is important to us that your new DALI loudspeakers are set up and connected optimally. For this reason, we recommend that you read this manual and follow its instructions.

This manual contains instructions for setup and connection, as well as tips and advice on how to get the most out of your new loudspeakers. Remember to sign up for our e-mail newsletter at www.dali.dk.

DALI is acclaimed around the world for unique loudspeakers built to our uncompromising standards for design and performance.

The goal for every single DALI loudspeaker is always our foremost commitment: To create a listening experience in your home that will make you forget time and place.

Enjoy.



UNPACKING

Unpacking:

Carefully unpack the loudspeakers of the box. Dependant on which DALI IKON model you have bought, different accessories comes with the loudspeaker, which you can read about in the following chapters.

Grille fronts:

The speakers are delivered with the grille fronts already mounted when you unpack them. If you wish to remove the grille front, loosen it by gradually tugging at the 6 metal plungers that hold it in place. It is important that all 6 are equally loosened before removing the front. Otherwise, the grille may be damaged.

Tool kit for IKON Sub

1. M8 nut, 4 pcs.
2. Rubber foot, 4 pcs.
3. M8 spike, 4 pcs.
4. 13 mm fork wrench, 1 pc.

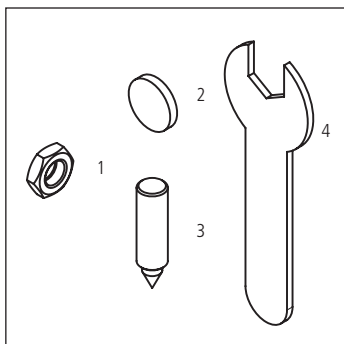


Figure 1. Tool kit for IKON Sub

Tool kit for IKON 5, 6, 7

1. Aluminium foot, 4 pcs.
2. M8 screw, 4 pcs.
3. M8 nut, 4 pcs.
4. Rubber foot, 4 pcs.
5. M8 spike, 4 pcs.
6. 5 mm Allen key, 1 pc.
7. 13 mm fork wrench, 1 pc.

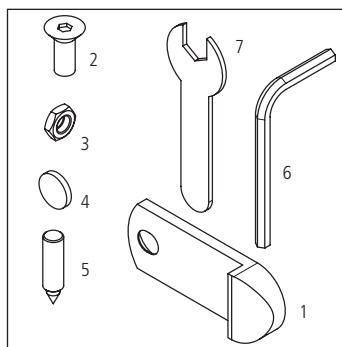


Figure 2. Tool kit for IKON 5, 6, 7

Tool kit for IKON 1, 2, VOKAL 1, VOKAL 2, ON WALL

1. Bumper, 4 pcs.

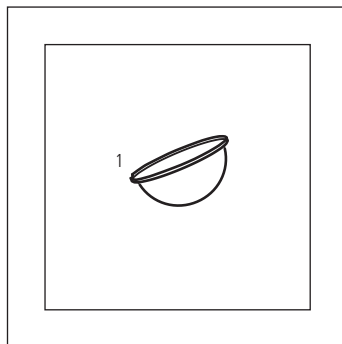


Figure 3. Tool kit for IKON 1, 2, VOKAL 1, VOKAL 2, ON WALL

Spikes:

On some floor surfaces and in some rooms, the use of spikes is a crucial aspect of obtaining the best result. The spikes (included) should be screwed in loosely in the four aluminium feet, leaving the spike's nut only slightly tightened. Using the screws (included), mount the feet in the threaded holes in the bottom of the speaker. Push the feet against the cabinet before tightening the screw.

Place the loudspeaker upright on its spikes on the floor, so that it stands steadily without rocking. Tighten the nuts, so that the four spikes sit tightly in the aluminium feet. These assembly and setup steps ensure stable mechanical coupling to the surface beneath.

Rubber feet:

The enclosed rubber feet may be used instead of spikes. The rubber feet can be mounted on the aluminium feet over the thread holes for the spikes.

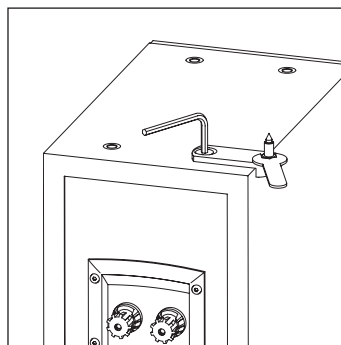


Figure 4. Mounting spikes

BREAK-IN

Like any mechanical system, a loudspeaker requires a “break-in” period. You will experience a gradual increase in sound quality during an initial period. Unlike other mechanical systems, the lifespan of a loudspeaker is increased by regular use.



Figure 5. DALI IKON bass driver

SETUP - WIDE DISPERSION

DALI IKON is a prime exponent of one of the many virtues that have made DALI famous worldwide – Wide Dispersion.

Wide Dispersion means that the area in front of the loudspeakers where a full stereo image is achieved is a great deal wider than with other loudspeakers. This ensures substantially better sound across a larger area within your listening room.

To take full advantage of DALI IKON’s Wide Dispersion, the loudspeakers should face straight ahead and not be angled in towards the listening position unless the two loudspeakers are placed very far apart.

The IKON tweeter module is especially developed for this loudspeaker. Its unique design ensures that Wide Dispersion is more than just a name – you can tell the difference.



Figure 6. DALI IKON High frequency module:
Soft dome tweeter and ribbon tweeter



PLACEMENT

Before setting up and connecting your new DALI IKON loudspeakers, you should find the best possible placement relative to your listening position. It is a good idea to follow these simple guidelines:

Avoid as far as possible any objects between the loudspeakers and the listening position. Obstacles can have a detrimental effect on tonal balance.

Ideally, the distance from the listening position to each loudspeaker should be the same as the distance between the left and right loudspeakers (Figure 7). In a surround installation, the speakers should be placed in a symmetrical configuration (Figure 8).

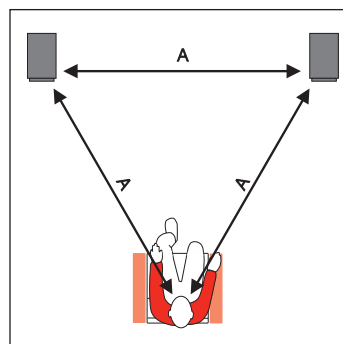


Figure 7. Stereo setup

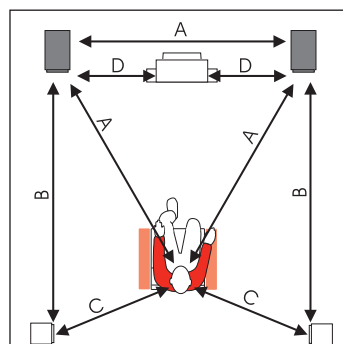


Figure 8. Surround setup

PLACEMENT OF IKON VOKAL

The IKON VOKAL center speakers have been specially designed to be positioned close to the large surface of the TV screen - and can be placed either above or below the screen, as required. Whether you position the center speaker above or below your TV, we recommend having the front of the speaker in line with the front of the TV. We recommend fitting the enclosed rubber feet to ensure a stable, vibration-free setup.

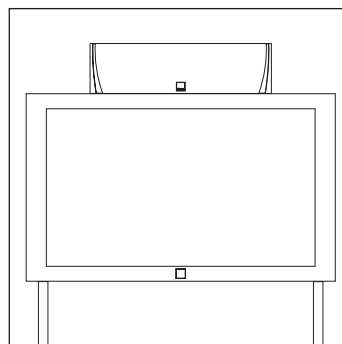


Figure 9. Placement above TV-screen

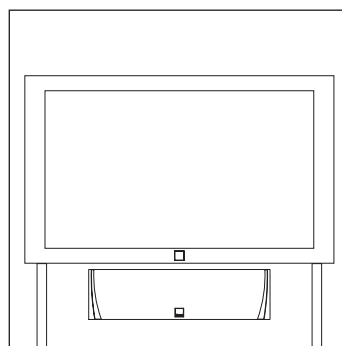


Figure 10. Placement below TV-screen

WALL-MOUNTING THE IKON 1 & IKON ON WALL

DALI IKON 1

There are several placement options for DALI IKON 1: on a stand, on a shelf, on a table-top or wall-mounting.

For the best possible sound, we recommend placement with the tweeter module at roughly the same height as your ears when you are seated in your favourite listening position.

For wall-mounting of DALI IKON 1, use the built-in bracket on the speaker's rear panel. Mount the included rubber feet on the rear of the speaker to avoid scuffing the wall and to ensure secure mounting. Hang the loudspeaker on a screw that sits firmly in the wall. You must make certain that the screw can bear the weight of the speaker as stated in the technical specifications. The diameter of the screw head should be 8 - 10 mm and the diameter of the screw should be max. 4 mm.

DALI IKON ON WALL

DALI IKON ON WALL is designed for wall-mounting. Because the loudspeaker can be positioned four different ways, there are four brackets on the rear panel. The speaker can be used as front, rear, side or center loudspeaker. If used as center loudspeaker, it can be placed above or below the TV-screen. For wall-mounting, follow the instructions above for DALI IKON 1.

On the rear panel of DALI IKON ON WALL, there are four indentations to make room for loudspeaker cable between the speaker and the wall. This allows you to run cable along either side up or down depending on what works best for you.

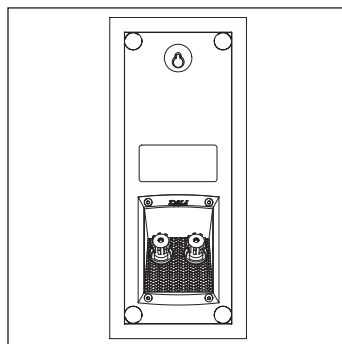


Figure 11. Wall-mounting IKON 1

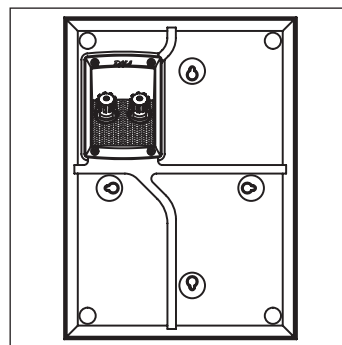


Figure 12. Wall-mounting IKON ON WALL

CONNECTION

Correct, tight connections to your amplifier are extremely important for your listening experience.

Before connecting cables or changing any connections, ALWAYS turn off your amplifier.

Always use cables of the same type and length for left and right channels. We recommend using special speaker cables from DALI, available from your dealer.

Connection in correct phase is a detail that is often ignored. The red (+) terminal of the amplifier must be connected to the red (+) terminal of the loudspeaker. The black (-) terminal of the amplifier must be connected to the black (-) terminal of the loudspeaker (Figure 13).

For the optimal listening experience, the right loudspeaker (as seen from the listening position) must be connected to the amplifier output terminals marked "R" or "Right." The left loudspeaker must be connected to the amplifier output terminals marked "L" or "Left." Even a single loudspeaker connected out-of-phase in a stereo or surround installation will make the bass weaker and the stereo image unfocused.

If you are using DALI IKON in a surround system, follow the instructions included with your surround amplifier.

Make sure that the conductors are tightly gripped by the terminals with no loose wires that could cause a short circuit and damage the amplifier (Figure 14).

The DALI IKON terminals are well-suited to plugs. We recommend DALI Connect Banana Plugs.

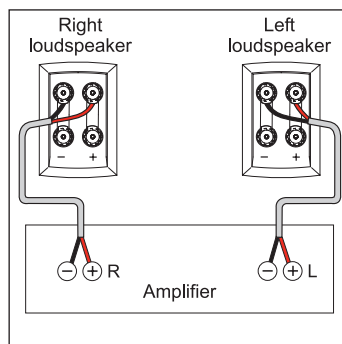


Figure 13. Amplifier connections

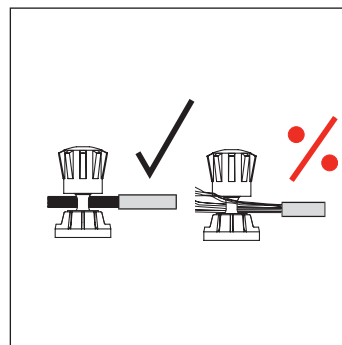


Figure 14. Connecting bare loudspeaker wire

SINGLE WIRING - IKON 1, ON WALL, VOKAL 1

For normal single wiring, connect loudspeaker cable as shown (Figure 15).

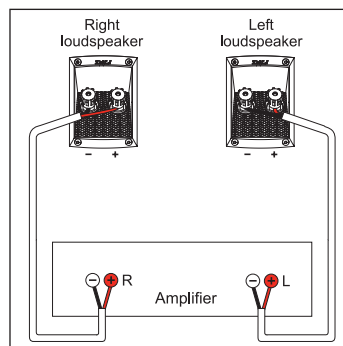


Figure 15. Single wiring

BI-WIRING - IKON 2, 5, 6, 7, VOKAL 2

The top terminal pair is internally connected to the crossover network's high frequency section. The bottom terminal pair is internally connected to the crossover network's bass section. When bi-wiring or bi-amping, ALWAYS remove the metal jumpers between the terminals before connecting cables. For bi-wiring, connect two sets of loudspeaker cable, one to the top terminals and one to the bottom terminals. At the amplifier end, connect both sets of loudspeaker cables to the same pair of terminals on the amplifier (Figure 16).

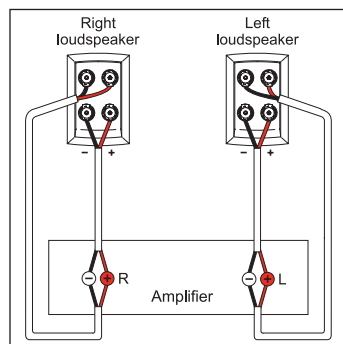


Figure 16. Bi-wiring

CONNECTION OF DALI IKON SUB

When using the IKON subwoofer with active crossover and built-in power amplifier in your stereo or surround system, there are two connection options.

The DALI IKON SUB can be connected to the subwoofer output of your surround amplifier or to the line output of your stereo pre-amplifier.

CONNECTION TO SURROUND AMPLIFIER WITH SEPARATE SUBWOOFER OUTPUT

If you want to use DALI IKON SUB for reproduction of the special subwoofer signal from a surround amplifier with separate subwoofer output terminal, connect this to the LFE input terminal on IKON SUB.

If the LFE input terminal is selected, the crossover network in IKON SUB is not active. The LFE input terminal should therefore only be used together with a special subwoofer output terminal in which the signal has already been filtered, so the subwoofer only receives the lowest frequencies.

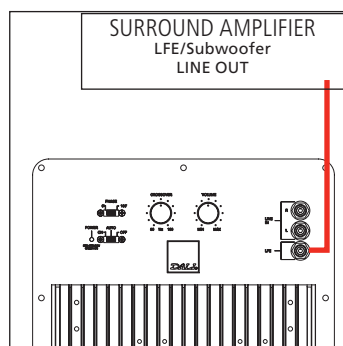


Figure 17. Connection to surround amplifier with separate subwoofer output

CONNECTION TO A STEREO PRE-AMPLIFIER

If you want to use IKON SUB to supplement the bass reproduction of a stereo system, connect the subwoofer "Line in, Left/Right" to a stereo signal on the pre-amplifier with full frequency content. The built-in crossover network in IKON SUB then ensures that the subwoofer only reproduces the lowest frequencies (see section on level adjustment and adjusting the crossover on page 15 and 16).

In most cases you will achieve excellent results with one IKON SUB. It is possible as a no-compromise stereo solution, or for reproduction of very powerful sound pressure in a surround setup in large rooms, to use two IKON SUBs. This solution is connected in the same way, but for stereo you should only connect the left-hand channel to one input terminal on the left-hand IKON SUB and the right-hand channel to one input terminal on the right-hand IKON SUB. For a surround setup, parallel the LFE inputs of the two IKON SUB. In all other respects, follow the instructions above - but use separate channels. You may wish to consult your dealer.

Note: When using two IKON SUB, the best results are normally achieved by positioning the two subwoofers relatively close to each other (1 - 2 metres).

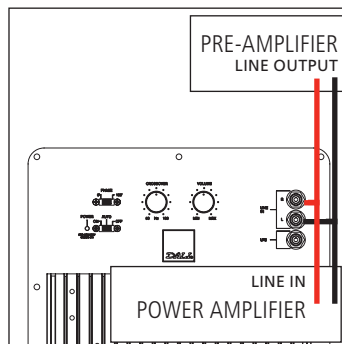


Figure 18. Connection to stereo preamplifier

LEVEL ADJUSTMENT

When you have decided upon which method of connection you want and positioned the subwoofer, you can commence the exciting process of tuning the system. Please note that positioning the subwoofer will have a lot of influence on its contribution to the overall sound. If for example, the IKON Sub is positioned in a corner, the bass will be much heavier than if it is positioned midway between two corners.

The following tuning methods are recommended to achieve the best results. Use a piece of music you know well, and that preferably includes rhythmic bass such as kettle drums, bass guitar etc.

Start with "Volume" in the middle of the dial (12 o'clock). Turn the "Phase" to position 180°, and "Power" to the "ON" position.

Level adjustment

Adjust the volume of the IKON Sub so that the bass matches the level of the front speakers. You should be able to appreciate the IKON Sub's contribution to the sound, without it ever being over-powering. Bass must be tight and accurate, so that the subwoofer reproduces the exact

amount of bass present in the music/soundtrack, no more and no less. If installing the IKON Sub in a surround system, it is practical to select a fixed level on the IKON Sub and adjust subwoofer output using the surround amplifier's setup function. If bass levels are set too high, distortion will reduce the quality of your listening experience. Please note that the position of the subwoofer will have major influence on its sonic contribution.

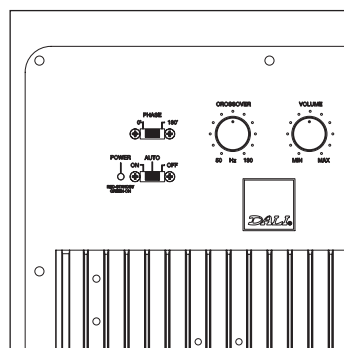


Figure 19. Adjusting IKON Sub

Adjusting the crossover frequency (only when using "LINE IN, Left/Right" inputs)

Once the volume level is finalised, you can start on the equally important adjustment of the overlap between the front loudspeakers and the IKON SUB. To do so, adjust up and down using "Crossover" until you can hear that the bass is even and with no drop-out. You may have to adjust the volume again.

Setting phase

Try different settings – if necessary combined with new adjustment of volume and crossover frequency. Select the position that provides the smoothest transition between the main speakers and the subwoofer. The choice may be difficult, but it often pays to experiment extensively in your search for the best sound. In any event, it is a good idea to listen to the system for a few days before making any final adjustments. Using the same setting for surround and 2-channel stereo does not always achieve the best results. It is therefore a good idea to note the setup you prefer for surround and stereo.

Selecting Auto function

The "Auto" function puts the IKON SUB into stand-by after approx. 10 minutes with no signal received at the input. When IKON SUB receives a signal once more, the subwoofer's amplifier starts up automatically.

The "Power" button is the main on/off switch. We recommend switching off the system when it is not to be used for long periods. When connecting or changing connections, always disconnect the main electricity.

Overloading

If the IKON SUB is seriously overloaded, the built-in safety circuit will cut the power off. If this occurs, turn the system down and the IKON SUB will automatically come on-line again after a short period.

The built-in safety circuit is not a guarantee against damage as a result of overloading, which is why the recommendations regarding sound pressure etc., to be found on page 18 should be followed.

THE LISTENING ROOM

Every room has its own distinctive acoustics, which influence the way we experience the sound from a speaker. In actual fact, it's a matter of how the room accommodates the sound and then damps it. You can influence the acoustics of your listening room in various ways.

Some of the sound you hear comes not from the actual speakers but from reflections from floor, ceiling and walls. These reflections are damped by objects such as furniture, plants and carpets. If the sound is bright, soft items such as curtains and carpets can help. If the room has large window panes, drawing the curtains will prevent reflections from the glass surfaces.

Both the amount and quality of the deep bass depend on the size and shape of the room, and the position of the speakers. If positioned near a side or back wall, this will accentuate the bass. A corner location will accentuate it even more, but will also increase the reflections. The decision is yours, so experiment with different positions to find which provides the ideal sound for you.

As a basic rule, try to avoid large, hard and reflective areas in the immediate vicinity of your loudspeakers. In the same way that a mirror reflects light, they will reflect sound from the speakers at almost full strength but with a slight delay due to the relatively low speed of sound. This will disturb the precision and spacial effect of sound reproduction. Try hanging a soft textile surface behind the speaker, place a rug in front of it, or place a large plant to the side and experience the surprisingly large effect doing so will have on the quality and precision of the sound.

Once you are happy with the positioning of your speakers, it is important to ensure that they are completely stable. For floor models it is essential that you use the accompanying spikes.

POWER AND ACOUSTIC PRESSURE

How loud a speaker is able to play and still sound good is completely dependent on the signal it has to reproduce. So, in practice, you cannot define an unequivocal level for use in comparing different speakers.

Obviously, lots of pure, undistorted output from a large amplifier is better than a distorted signal from a small amplifier stretched beyond its capacity. The signal from a distorting (clipping) amplifier contains much more high-frequency information than an undistorted signal, and therefore puts a heavy strain on the tweeter. Consequently, speakers are most often damaged by small amplifiers having to work too hard - and very rarely by large amplifiers, which are practically running idle.

It is worth noting that when the tone controls are turned above the neutral setting this significantly burdens both speakers and amplifier. On a good sound system tone controls should only be used to compensate for poor recordings and not to permanently compensate for weaknesses elsewhere

in the system. So, DALI recommends that the tone controls generally be set to the neutral position, and you achieve your desired sound image through correct positioning of the speakers.

Ensuring that you keep the volume low enough so the sound remains clear and undistorted will minimise the strain on both speakers and amplifier.

All DALI loudspeakers are designed with linear impedance to be an optimal amplifier load. The result is significantly more open and detailed sonic image.

DALI - MORE THAN MEETS THE EYE

Your DALI loudspeakers incorporate a wide range of technical solutions based on many years of intensive research and experience. Most of it can't be seen, but can be heard and enjoyed. These design principles include:



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.



TIME COHERENCE

The unique DALI drivers, optimised cabinets and carefully tuned cross-overs ensure optimal time coherence in the reproduced sound.



3D AUDIO

DALI's time coherence and low-loss technologies create a transparent, holographic, three-dimensional sounds.



LOW-RESONANCE CABINETS

Specially designed cabinets reduce resonances and coloration of the sound, achieving a natural, realistic sound.



AMPLIFIER FRIENDLY

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



HAND CRAFTED

Hand assembled from the fitting of the cabinet to final electro-acoustic testing, each and every speaker is personally approved and signed by the person who assembled it.

TIPS AND ADVICE FROM DALI

DALI loudspeakers should never be angled in towards the listening position, unless the speakers are very far apart.

Always turn off the amplifier, before connecting or disconnecting any cables.

As a general rule, your amplifier's tone controls (bass and treble) should remain in a neutral position.

Use the spikes or rubber feet included with the loudspeakers – they make a significant contribution to sound quality and ensure that your loudspeakers stand firmly.

CLEANING AND MAINTENANCE

Clean the cabinets with a soft, dry cloth. If the cabinets are dirty, wipe with a soft cloth dipped in all-purpose cleaner and then well wrung out. Be very careful when wiping the speaker cones, as they are very fragile. Fabric frameworks can be vacuumed and wiped with a well-wrung, lint-free cloth and mild all-purpose cleaner.

TECHNICAL SPECIFICATIONS

There are countless methods for measuring speakers. However, none of them tell you anything useful about how a speaker really sounds. Only your ears can decide whether one speaker sounds better than another.

DALI IKON loudspeakers are designed to reproduce music as honestly as possible.

Enjoy your new speakers!

	IKON 1	IKON 2	IKON 5
Frequency range +/- 3 dB [Hz]	43-30,000	42-30,000	39-30,000
Sensitivity (2.83 V/1m) [dB]	87.0	88	88
Nominal impedance [Ω]	8	8	8
Maximum SPL [dB]	106	108	109
Crossover frequencies [Hz]	2,900/14,000	3,000/14,000	600/2,700/14,000
Bass reflex tuning frequency [Hz]	47	41	37
Enclosure type	Bass reflex	Bass reflex	Bass reflex
Recommended placement	Wall / Shelf	Stand	Floor
Rec. amplifier power [Watt]	25-100	30-120	30-125
Amplifier power [Watt]	-	-	-
High frequency driver(s)	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon
Low frequency driver(s)	1 x 5"	1 x 6½"	2 x 5"
Connection input(s)	Single wire	Bi-wire	Bi-wire
Dimensions (HxWxD) [cm]	35 x 15 x 26	44 x 19 x 30	81 x 15 x 26
Dimensions (HxWxD) [inches]	13.8 x 5.9 x 10.1	17.3 x 7.4 x 11.7	31.9 x 5.9 x 10.2
Function(s)	-	-	-
Weight [kg/lb]	5.2/11.46	9.0/19.84	11.8/26.01
Finish	Light Oak / Light Walnut	Light Oak / Light Walnut	Light Oak / Light Walnut

	IKON 6	IKON 7	IKON VOKAL 1
Frequency range +/- 3 dB [Hz]	37-30,000	36-30,000	78-26,000
Sensitivity (2.83 V/1m) [dB]	91.5	92	87.5
Nominal impedance [Ω]	6	6	8
Maximum SPL [dB]	111	112	107
Crossover frequencies [Hz]	800/3,200/14,000	600/2,900/14,000	3,000
Bass reflex tuning frequency [Hz]	36	35	70
Enclosure type	Bass reflex	Bass reflex	Bass reflex
Recommended placement	Floor	Floor	Below / above TV screen
Rec. amplifier power [Watt]	25-150	25-200	25-100
Amplifier power [Watt]	-	-	-
High frequency driver(s)	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	1 x 28 mm soft dome -
Low frequency driver(s)	2 x 6½"	3 x 6½"	2 x 4"
Connection input(s)	Bi-wire	Bi-wire	Single wire
Dimensions (HxWxD) [cm]	100 x 19 x 33	114 x 20 x 34	12 x 42 x 21
Dimensions (HxWxD) [inches]	39.4 x 7.4 x 13.1	44.9 x 7.9 x 13.5	4.5 x 16.5 x 8.4
Function(s)	-	-	-
Weight [kg/lb]	18.6/41.01	22.9/50.49	5.6/12.35
Finish	Light Oak / Light Walnut	Light Oak / Light Walnut	Light Oak / Light Walnut

	IKON VOKAL 2	IKON ON WALL	IKON SUB
Frequency range +/- 3 dB [Hz]	55-30,000	57-30,000	26-200
Sensitivity (2.83 V/1m) [dB]	89	89.5	-
Nominal impedance [Ω]	8	8	30K(L/R) 20K LFE
Maximum SPL [dB]	110	108	113
Crossover frequencies [Hz]	2,500/14,000	2,500/14,000	-
Bass reflex tuning frequency [Hz]	44.5	-	29
Enclosure type	Bass reflex	Closed	Bass reflex
Recommended placement	Below / above TV screen	Wall	Floor
Rec. amplifier power [Watt]	25-150	25-100	-
Amplifier power [Watt]	-	-	250
High frequency driver(s)	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	1 x 28 mm soft dome 1 x 17 x 45 mm ribbon	- -
Low frequency driver(s)	2 x 5"	1 x 6½"	1 x 12" long stroke
Connection input(s)	Bi-wire	Single wire	RCA. Stereo (low-pass filtered), LFE (mono)
Dimensions (HxWxD) [cm]	15 x 51 x 26	38 x 28 x 19	45 x 41 x 45
Dimensions (HxWxD) [inches]	5.9 x 20.1 x 10.1	14.8 x 10.9 x 7.4	17.8 x 16.1 x 17.7
Function(s)	-	-	Volume, Crossover frequency, Phase
Weight [kg/lb]	7.7/16.98	7.1/15.65	29.0/63.93
Finish	Light Oak / Light Walnut	Light Oak / Light Walnut	Light Oak / Light Walnut