

KHARMA

ELEGANCE COLLECTION

OWNER'S MANUAL

S7 / S7-S

DB7 / DB7-S

DB9 / DB9-S

DB11-S

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

Warning!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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

Important

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated « dangerous voltage » within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Important

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

Awaken your senses

CONGRATULATIONS

You are now a Kharma Loudspeaker owner. Your new Elegance loudspeaker system, properly installed, will give you all the satisfaction and enjoyment you expect from Kharma. Technically at the fore-front of current loudspeaker design, the Elegance will reveal the full emotional range of music and will do so with vivid dynamics and detail. As with any high quality product, special care must be taken to install and operate your new speakers.

Please read this manual carefully and totally prior to installation.

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INTRODUCTION TO THE ELEGANCE COLLECTION

The Elegance collection is succeeding the very successful Ceramique line of high-end loudspeakers from Kharma. The Ceramique loudspeaker line was introduced in 1998 and the use of ceramique-based drivers was the reason for naming this series like we did.

During the past years Kharma has been researching new technologies as how to improve and set a new standard again to the high-end audio world. We are very proud now to offer the very latest high-tech technologies again in the new Elegance series. The shape of the cabinets has been unchanged because the shape is fully functional to the way the sound develops from the loudspeakers. But the beauty of the design has been improved upon, by redesigning the stand and bottom, the redesign of the front cover and many other small design details.

The technology of the drivers however has been significantly improved and totally renewed.

We developed a pure beryllium tweeter which at this moment is the next best material to create the stiffness that we want for a tweeter, for now diamond being still the first choice. The pure-Beryllium tweeter takes the frequency range to well above 30.000 Hz with very low distortion. This can easily be heard in the ultra fine detail of the high frequency output.

There is incredible transparency, but also dynamics, ultra high resolution, increased dispersion allowing the building of a huge stage. The heart of the speaker is formed by the 7-inch Kharma Composite driver which is equipped with a new cone technology developed by Kharma.

It consists of ultra high-tech rocket science/formula1 based fibres created into a setting with optimised behaviour for the purpose. Finite element analysis with advanced computer systems have led to optimised cone-shapes with a near perfect behaviour for a 7-inch driver. All of these innovations are very clearly audible in even a short listening session. Better detailed bass, incredible detail base actually. Ultra high resolution in the midrange depicting many layers and sound colours like in excellent wines where the complexity of the whole history of making the wine can be tasted in a moment. It is like the music is coming from an inner space with an infinite number of layering. No mp3 allowed please, give full credit to these wonders.

The new Elegance collection is as powerful as can be imagined with very large linear excursions for extended bass and at the same time the new magnet-motor management system is keeping the midrange clear by not getting distorted by the large currents running through the voice coil at high powers. Thus presenting the very state of the art in loudspeaker making.

PART LIST

Each crate contains:

- Elegance Loudspeaker
- Elegance Grille
- 4x Spike Disc

In addition you have also received:

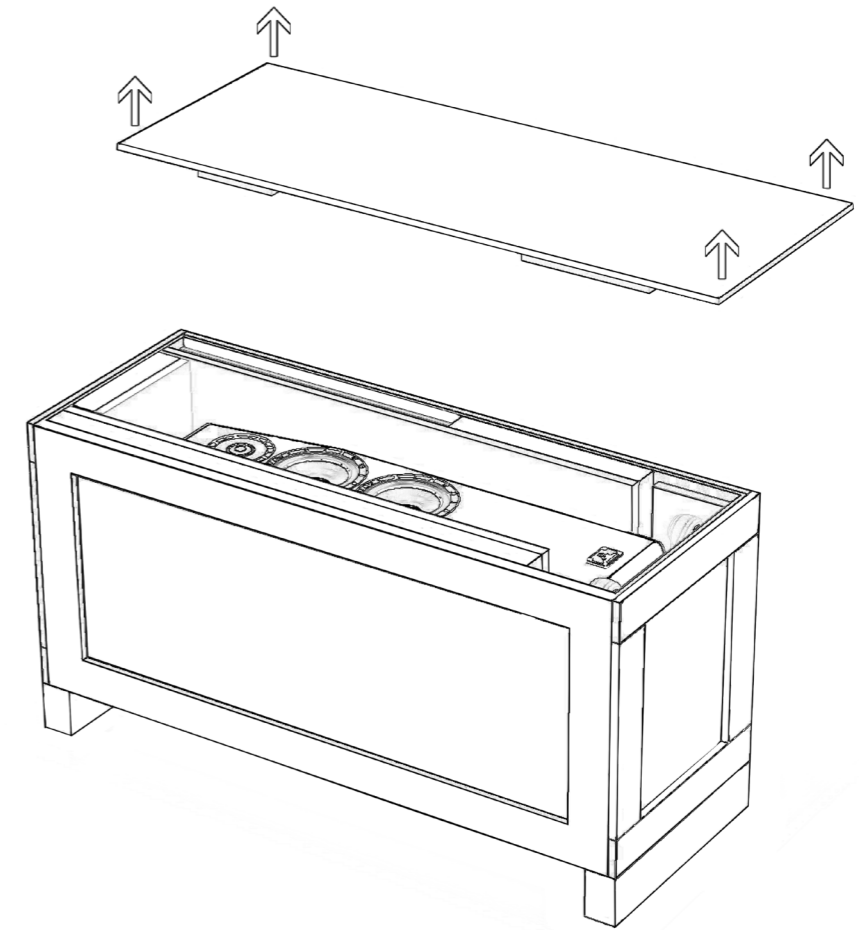
- Manual
- Burn-in CD
- Registration Form
- Quality Certificate
- Certificate of Authenticity

UNPACKING

Opening the crate

Upon opening the crate, inspect the speakers carefully for any sign of transit-damage. If there is damage, immediately call your dealer or the trucking firm that made the delivery. Do not delay in reporting the damage. Please store the crates for future use.

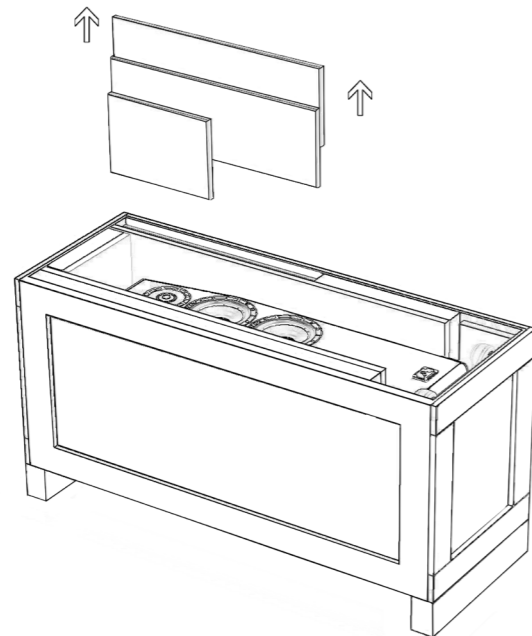
Step 1: Remove top cover



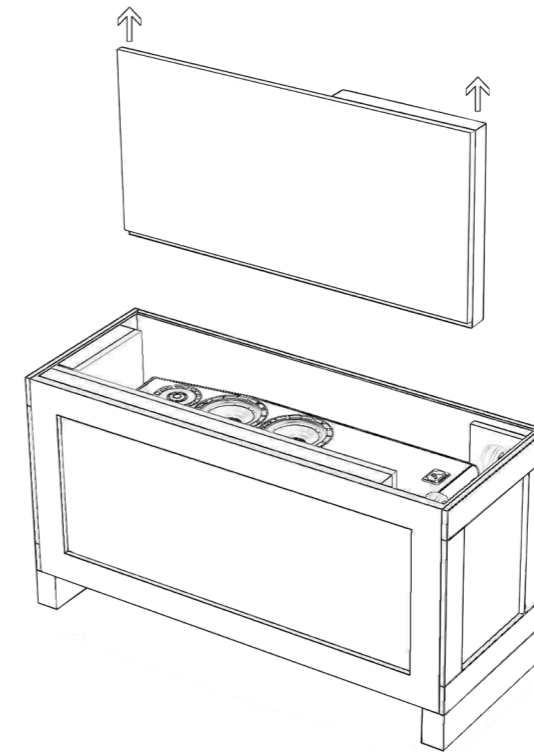
Important

Please read the manual thoroughly before taking further steps.

Step 2: Remove the manual and grills



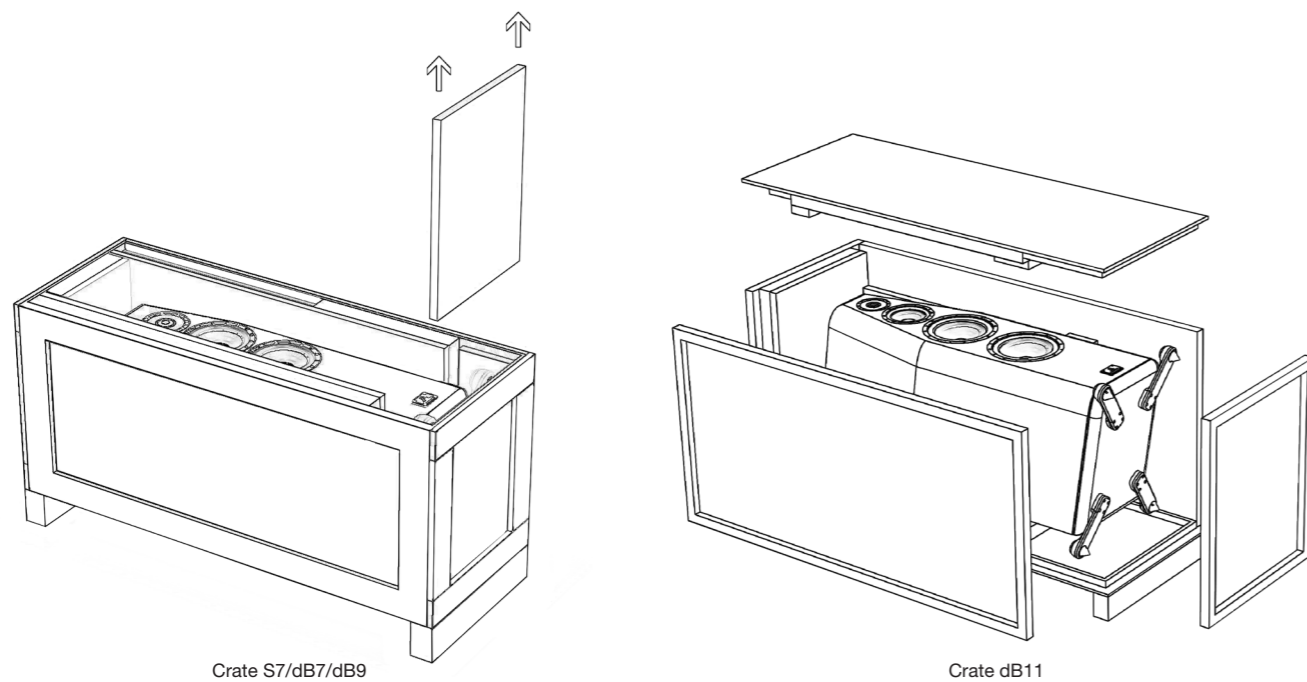
Step 3: Remove both side panels



Step 3: Remove bottom panel

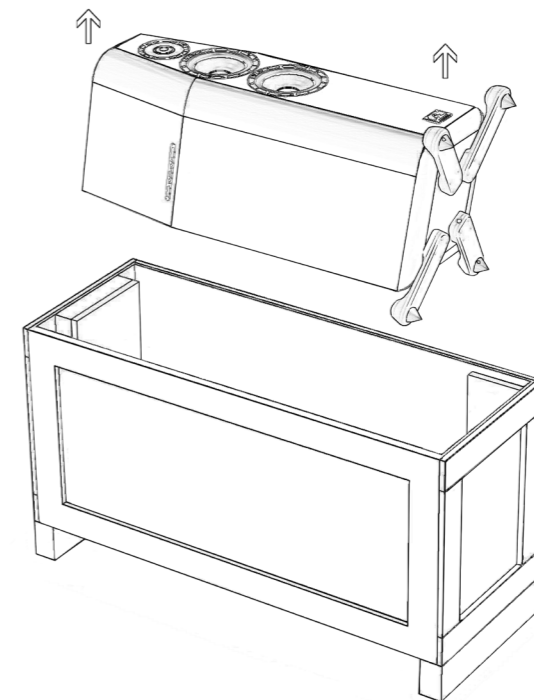
It could be necessary to lift the speaker up by its stands to free the bottom side panel.

Note: for dB11-S all sides of the crate can be unscrewed, see crate dB11.



Step 4: Lift speaker out of the crate

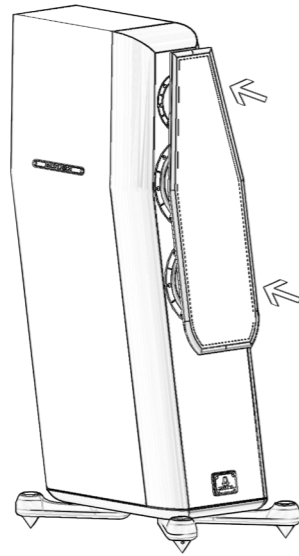
It is advised to lift the speaker with two or more persons.



Important

The spikes under your speaker are sharp and can damage your floor. It is advised to protect your floor with a piece of foam or thin piece of wood when the spike discs are not yet placed.

Step 5: If desirable, the grill can be fixed to the speaker

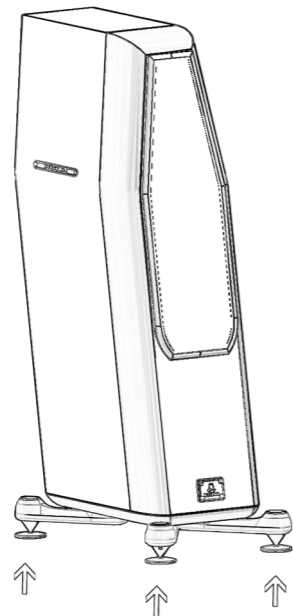


Important

The grill which is magnetic, will automatically be fixed to the speaker if positioned correctly. Do not apply force inside or upwards direction. If you want to remove the grill, the grill must be grabbed with both hands.

Step 6: The SDSS-disks can be put below the speaker

It is advised to lift the speaker with two or more persons.

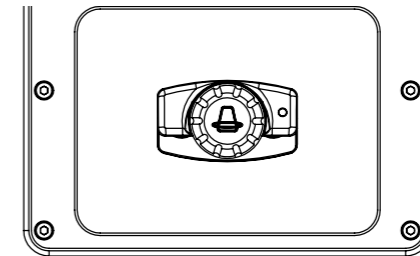


Important

The speaker can be leveled to stabilize the speaker by adjusting one or more SDSS-spike orientation(s). The hole in the spike can be used to do this.

CONNECTION

At the rear of your Elegance loudspeaker you will find the high-end Kharma Connection Terminal (as shown below). Be sure you use the same brand, type and length of speaker cable on each channel.



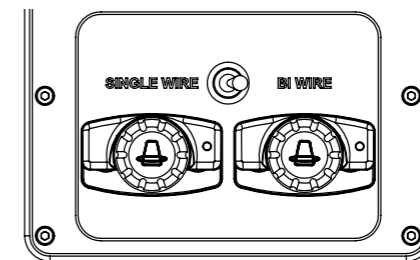
Important

You will find a short wire fixed to the connection terminal. This wire is fixed to protect the speaker drivers during transport, make sure to remove this wire before installing your cables.

Bi wire connection (on dB11-s)

Some models have a bi-wire terminal. If you want to connect one pair of cables make sure the switch is set to "single wire". Connect the cable to the left connector.

When you are going to bi amp or bi wire your speakers, the switch should be set to "bi-wire". Connect the cables for mid/high to the left connector and for low to the right connector.



Important

Always turn off the power of your entire system before making connections to your speakers.

POSITIONING YOUR SPEAKERS

Room acoustics

A good listening room has just the right amount of reflection and absorption. The performance of any loudspeaker depends upon the speaker's location in the room and the acoustical conditions in that part of the room. Furnishing, size and proportions all effect tonal balance, imaging and bass characteristics. In order to test the sonic balance of your room, stand in the location where the speakers will be installed and clap your hands two or three times. If the room is reverberant, you will hear a sharpness or echo. If the room is dull, the sound of the clap will decay rapidly and there will be little or no echo. Large areas of glass, mirrors and wood-paneling will reflect sound waves and often result in brittleness and extreme brightness. You can correct this by breaking these sound waves with softer surfaces; for instance, draperies or wall hangings. In general try to create random reflections.

Positioning

We recommend experimenting with loudspeaker placement in order to obtain the best spectral balance, openness and perception of depth. For good results, the speakers should be no closer than 45 cm from the rear wall, with at least 70 cm to the side walls. The space between the loudspeakers should be free. Ideally the space should be symmetrical in the area around your loudspeakers. Moving the system towards a wall will increase bass level while generally reducing openness. Moving speakers too far into the room can result in a "thin" overall presentation with loss of bass foundation. The speakers will normally work well straight out and not angled toward the listener for accurate sound staging. The wide dispersion of the Elegance loudspeakers makes this possible. Many have found the best room position to be along an undraped longer wall, with the speakers as far apart as the listener is for them. The feet under your Elegance loudspeaker should be adjusted so that the speaker will not "rock" as you push it from side to side.

USING YOUR KHARMA LOUDSPEAKERS

Advice on cabling

Mixing different types and/or lengths of speaker cable can upset the precise timing and balance of your speaker. We recommend use of our own Kharma (KLC) pure silver-gold loudspeaker cable for maximum result. It's important to connect your speakers in phase, which means that the drivers are moving in and out in the same direction and at the same time, in order to obtain the best localisation of instruments and voices as well as the deepest, most natural bass.

Advice on amplifier

Your Elegance loudspeaker is a high-performance system, using ultra high quality drivers. Like all loudspeakers they will reproduce distortion as well as music. Therefore the choice of other audio components is critical and should be made with care. When a speaker system is as revealing as your Elegance loudspeaker is, musical colorations and other forms of distortion become more noticeable because these aberrations are no longer masked by the speaker.

We recommend using an amplifier with sufficient power, typically a minimum of 50 Watt. Better use a high-power amplifier in stead of an underpowered amplifier that can cause driver damage due to clipping distortion. This kind of damage is considered and will not be covered under warranty.

Use common sense

If you hear distortion or loud "cracking" sounds, the amplifier or loudspeaker is being overdriven, turn the volume down immediately.

Burn-in

Your Elegance loudspeaker system needs quite a bit of playing time to reach maximum result. The use of a Burn-in test-CD is recommended to speed up this process. With a "burn-in" test CD, burnin time is reduced to approximately 50 hours. After burning-in your system, you can play demagnetising tracks for maximum clarity. Your system will then be optimised and sound more open, more detailed and display more natural musical warmth.

TAKING CARE OF YOUR SPEAKERS

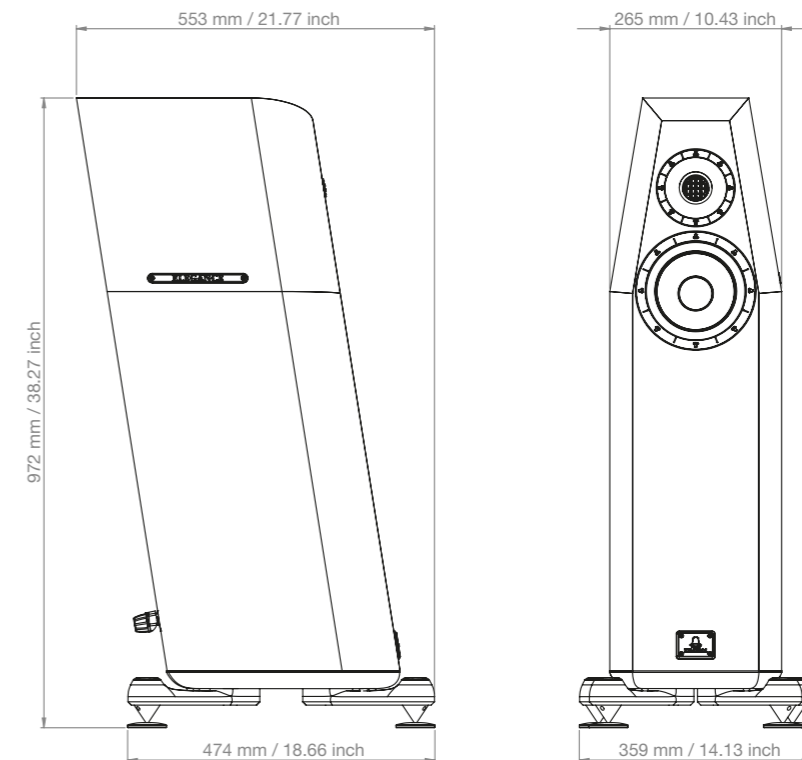
Use a soft cloth and a spray-cleaner to clean the surface. Be careful not to spray on the grill cloth. Use a slightly wetted piece of foam to gently rub the cloth of the front panel. No further care is necessary.

In event of trouble Note that you can use your amplifier's two channels of information for simple troubleshooting. If the sound quality is distorted, listen to each speaker separately to check if the fault is present in both. If it is, then the trouble is likely to be elsewhere in your system. If the fault is in one channel only, reverse the outputs from your amplifier to the speakers(right-to-left and left-to-right). If the distortion moves to the other channel, the fault is not the speaker. This technique may also be used to locate a fault between the signal source and preamp/receiver and/or between preamp and power amp(s). If you have been unsuccessful in locating the specific source of trouble or if you have located it, but have been unable to correct it, please consult the Authorized Kharma-dealer from whom you purchased the system. Kharma Dealers are audio specialists and can be of great assistance.

SPECIFICATIONS

ELEGANCE S7 & S7-S

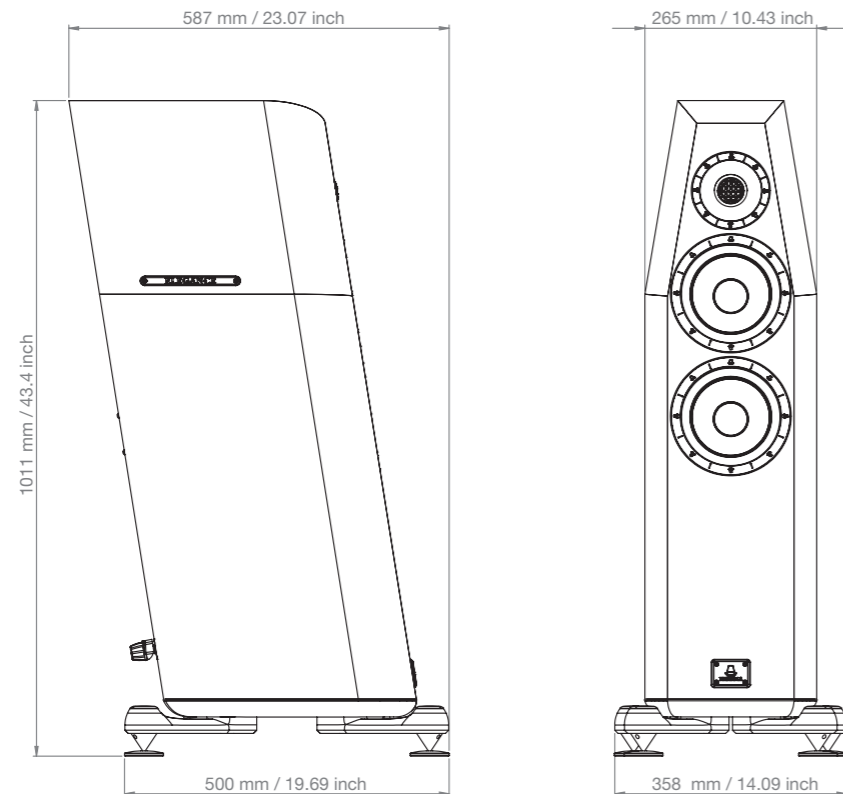
System	2-way
High Driver	1 x 1-inch True Beryllium tweeter
Mid/Bass Drivers	1 x 7-inch Kharma Composite Driver (KCD)
RMS Power	100 Watt
Program Power	200 Watt
Frequency Range	29 Hz – 30 kHz
Efficiency	86 dB
Maximum spl	106 dB
Impedance	8 Ohm
Dimensions	incl. stand
Height	972 mm / 38.27 inch
Width	359 mm / 14.13 inch
Depth	553 mm / 21.77 inch



SPECIFICATIONS

ELEGANCE DB7 & DB7-S

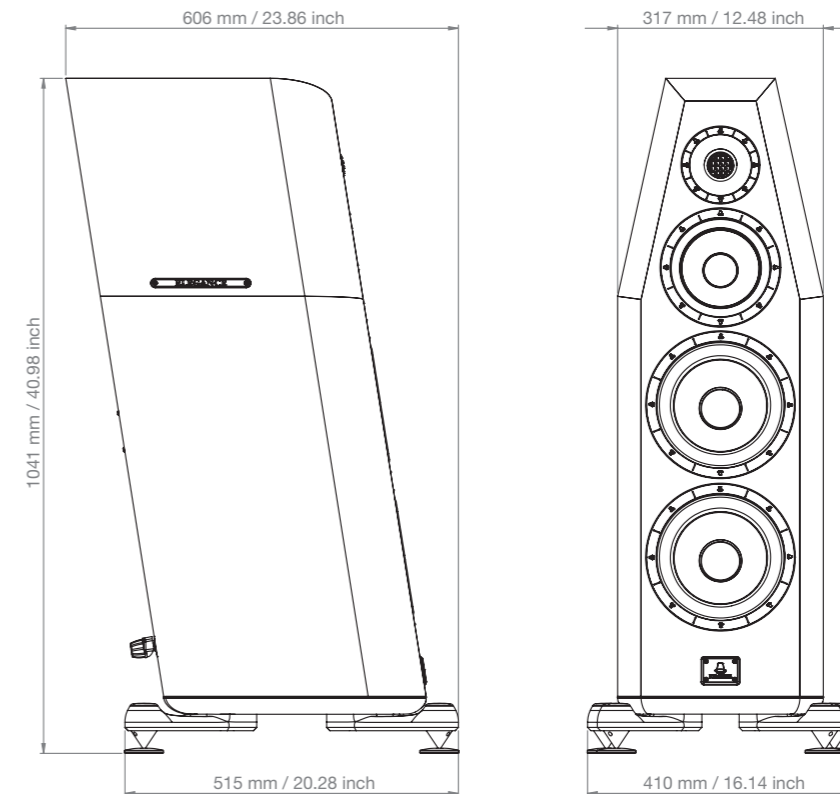
System	2-way
High Driver	1 x 1-inch True Beryllium tweeter
Mid/Bass Drivers	2 x 7-inch Kharma Composite Driver (KCD)
RMS Power	150 Watt
Program Power	300 Watt
Frequency Range	29 Hz – 30 kHz
Efficiency	88 dB
Maximum spl	110 dB
Impedance	4 Ohm
Dimensions	incl. stand
Height	1011 mm / 39.8 inch
Width	358 mm / 14.09 inch
Depth	586 mm / 23.07 inch



SPECIFICATIONS

ELEGANCE DB9 & DB9-S

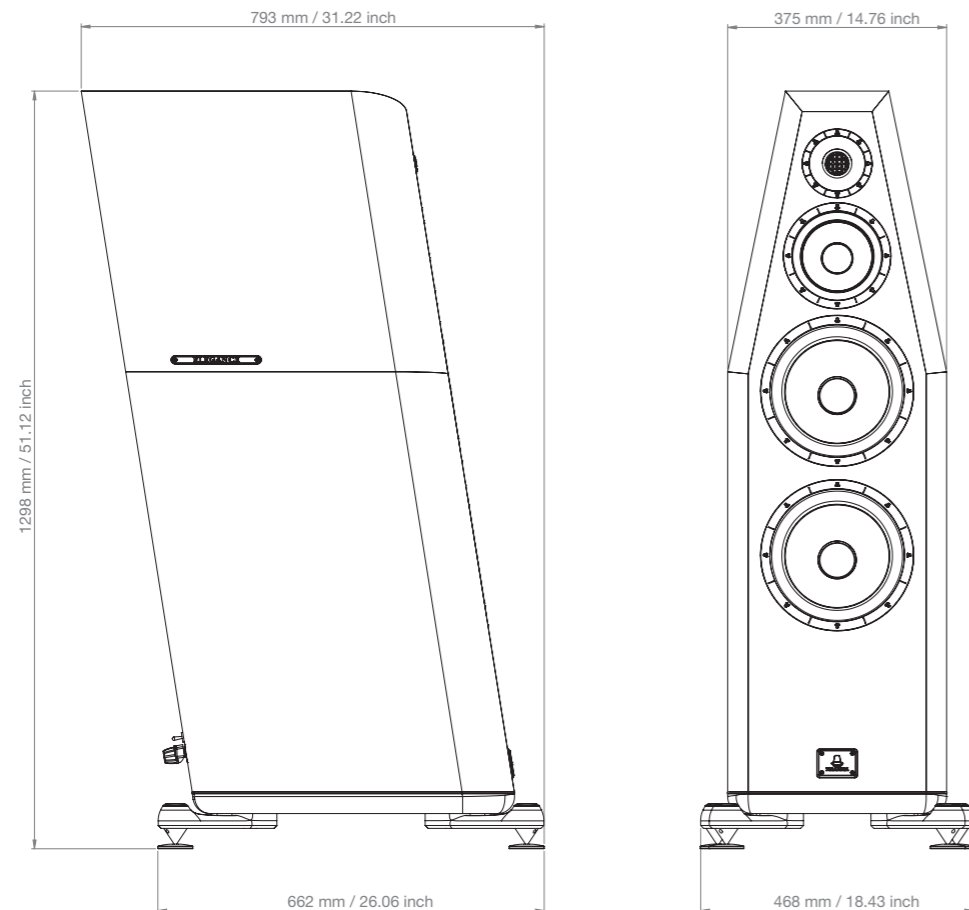
System	3-way
High Driver	1 x 1-inch True Beryllium tweeter
Mid Drivers	1 x 7-inch Kharma Composite Driver (KCD)
Low Drivers	2 x 9-inch Aluminium woofer
RMS Power	250 Watt
Program Power	500 Watt
Frequency Range	26 Hz – 30 kHz
Efficiency	89 dB
Maximum spl	113 dB
Impedance	4 Ohm
Dimensions	incl. stand
Height	1041 mm / 40.98 inch
Width	410 mm / 16.14 inch
Depth	606 mm / 23.86 inch



SPECIFICATIONS

ELEGANCE DB11-S

System	3-way
High Driver	1 x 1-inch True Beryllium tweeter
Mid Drivers	1 x 7-inch Kharma Composite Driver (KCD)
Low Drivers	2 x 11-inch Aluminium woofer
RMS Power	380 Watt
Program Power	760 Watt
Frequency Range	21 Hz – 30 kHz
Efficiency	89 dB
Maximum spl	115 dB
Impedance	4 Ohm
Dimensions	incl. stand
Height	1298 mm / 51.12 inch
Width	468 mm / 18.43 inch
Depth	662 mm / 26.06 inch



SPECIFICATION S-VERSION

The Elegance Signature versions have a different treatment upon several levels of excellence. The features belonging to the Signature version are explained below in comparison with the standard version.

Kharma Omega-7 driver

For the midrange section, the Kharma Composite driver in the standard version is interchanged with the Kharma Omega-7 driver in the Signature version. This Omega-7 driver is based on Ultra High Modulus carbon fibres, which is the best fibre available on the globe today. The use of these ultra-stiff carbon fibres and a unique resin, together with a proprietary production process, displaces the break-up frequencies of the cone, in comparison with the Kharma Composite driver, to an even more refined level of excellence. This upgrade of the driver is the only upgrade that also changes the appearance of the speaker. The other upgrades are only audible because of their internal appliance.

Enhanced damping

The acoustical damping of the cabinet is enhanced to better absorb all energy trapped inside the loudspeaker in a wide frequency range.

Enhanced internal wiring

The cross-sectional conductive area of the internal wiring is increased to have a more refined signal transmission between the crossover and the drivers.

Vibration-reducing compound

The crossover and bas pipe on the back plate of the Elegance are treated with a special compound to bring mechanical vibration to an absolute minimum.

WARRANTY

WARRANTY COVERAGE

The Kharma distributor guarantees the proper mechanical and electrical functioning of its products for a period of 5 years. Provided the warranty request card is properly filled out and sent to the address on the warranty form, including a copy of the original bill of sales. Should the customer fail to meet the three requirements mentioned above, the warranty will be limited to a period as required by national law only. In case of malfunction the customer has to present the Kharma product in its original packing to an authorized dealer. If qualified service appears inevitable, the dealer will ship the product to an appointed service station or to the factory, depending on the required service. This warranty includes parts and labour. This warranty is not automatically transferable; subsequent owners can request a warranty at the factory.

WARRANTY EXCLUSION

1. Transportation damage, visible or hidden. Damage should be reported immediately to the transport company. Registration of the complaint should be sent to the Kharma distributor previously mentioned.
2. Scratches in painted and metal surfaces. Complaints should be registered at the dealer within three days after the sale.
3. Damage due to illicit handling and inappropriate use.
4. Transportation costs to service station or factory.
5. Damage through unauthorized repair and or modification.
6. Subsequent damage to other appliances.
7. Refund of costs in case of unauthorized repair.
8. Malfunctions caused by use for commercial or professional purposes.
9. All claims on Kharma products obtained through unauthorized sources, with or without correct serial numbers.

Kharma International b.v.

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