

DYNAUDIO

**Evidence
User manual**

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Introduction

_ Dear customer, _

_ Thank you for choosing the Dynaudio Evidence Platinum. _

In the Evidence Platinum, you can rest assured in the fact that you now own one of the finest loudspeakers available today; a speaker featuring the very latest Dynaudio technologies which has been meticulously crafted in-house to the highest standard of quality by Dynaudio in Skanderborg, Denmark.

When Dynaudio was founded over 35 years ago, we set out to create loudspeakers that performed on a much higher level than the loudspeakers available at the time – Dynaudio wanted to create loudspeakers that would reproduce music naturally and authentically. Due to the fact that technologies which matched our requirements were lacking, we consequently developed our own unique Dynaudio bass drivers, tweeters and cabinets, surpassing all existing industry standards and allowing us to realize our ambitious goals.



Over the years, Dynaudio has always stayed true to these original roots, while developing the company's core technologies even further to create many exceptional loudspeaker models. In the Evidence Platinum we have now improved and perfected this technological platform to the highest degree, which combined with the innovative DDC technology will provide you a level of sound quality you've never before experienced in your listening room.

I wish you many years of enjoying the Evidence Platinum.

Wilfried Ehrenholz, Founder and CEO of Dynaudio

About the Evidence Platinum

The Dynaudio Evidence Platinum is a unique loudspeaker realizing new standards in sound performance, with unmatched musical purity and unequalled sound staging. The Evidence Platinum was first shown in May 2012 as a Concept Study, improving upon the original Evidence Temptation and Evidence Master by adding experience and knowledge gained when creating Dynaudio's Consequence Ultimate Edition and Confidence Signature loudspeakers.

Handcrafted to the highest standards by Dynaudio in Skanderborg, Denmark, the Evidence Platinum combines the innovative Dynaudio Directivity Control technology (DDC) with the company's most advanced drive units, select crossover components and the highest level of fine-tuning. In each speaker, newly developed woofers and midrange drivers achieve a superior sound performance across the whole bass and midrange. Dynamics and accuracy in the lower frequencies are further enhanced by using multiple bass woofers working in parallel, offering the same large diaphragm surface of one conventional woofer, but taking advantage of multiple voice coil/magnet assemblies.

For the higher frequencies Dynaudio's best coated soft dome tweeter, the renowned Esotar2, is incorporated in an Evidence model for the first time. In the Evidence Platinum the latest Esotar2 version including new Precision Coating is used. In each speaker, two Esotar2 as well as two dedicated midrange drive units are used in order to implement the DDC technology.

The Dynaudio Evidence models were always bringing authentic sound quality to the listener. With the Evidence Platinum, Dynaudio brings one closer than ever to the music.

Technical highlights of the Evidence Platinum

- Esotar2 tweeters

- Evidence Platinum 15cm MSP midrange drivers
- Evidence Platinum 18cm MSP woofers (18W75)
- Highest-grade Crossover with select components on glassfibre-reinforced PCB
- WBT NextGen™ connectors with gold-plated pure copper conductors
- Internal wiring with select oxygen-free copper cables
- Select metal film resistors in the crossover's tweeter section
- Advanced DDC Technology to reduce room reflections
- Ultra-solid, resonance-damping 40mm black aluminium front baffle
- Reinforced cabinet finished in the finest veneers and lacquers
- Reinforced base plate with larger footprint for improved stability

Register your Evidence Platinum

For full warranty and in order to allow the best service and support from Dynaudio, please register your new Evidence Platinum.

In this manual you will find a credit-card sized Owners Club card and a Warranty Guideline printout.

Please fill in the form and register online. You may register your speakers online at www.register.dynaudio.com or contact your dealer for assistance. Your contact details will be kept within Dynaudio and will only be used in the case of support or service for your loudspeaker.

Once you register your Evidence Platinum online, Dynaudio will extend the manufacturer's warranty on your loudspeakers to a period of 10 years total (from original date of purchase). Rest assured that Dynaudio will never forward your personal information or details to un-related third parties.

The warranty only covers faults or defects in material and production. Damage caused as a result of abuse, misuse or defective electronics is not covered by the warranty. All warranty claims must be accompanied by a copy of the original purchase invoice and warranties are only valid in the country or market of original origin or distribution.

Should warranty service be required, it must be arranged for in the country of purchase by an authorized Dynaudio dealer.

About this guide

This owner's manual is an important part of your Evidence Platinum and will guide you through unpacking, mounting, placing and connecting your new loudspeaker correctly. Please read carefully and follow all advice step by step in order to achieve the best from your Evidence Platinum. If anything is not explained clearly enough please do not hesitate to contact Dynaudio or your Dynaudio Platinum dealer.



CAUTION

The Caution sign is intended to alert you and indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to your equipment.

Note

In a Note, additional information is provided which is important to fully understand the loudspeaker, how to operate it, and improve the performance.

Unpacking the Evidence Platinum

When unpacking and positioning the Evidence Platinum for the first time, please make sure to open, unpack and mount the loudspeakers exactly according to the following steps:

Chapter 2: Unpacking the base plinths and the loudspeakers.

Chapter 3: Mounting the plinths and adjustable feet to the loudspeakers.

Only thereafter can you continue with Chapter 4, fully unpacking and positioning the loudspeakers.

Note

We strongly recommend that you keep the Evidence Platinum crates and internal packaging for future use, be it for the safe transport of the loudspeaker during a move, or in the event that service or support should ever be required.



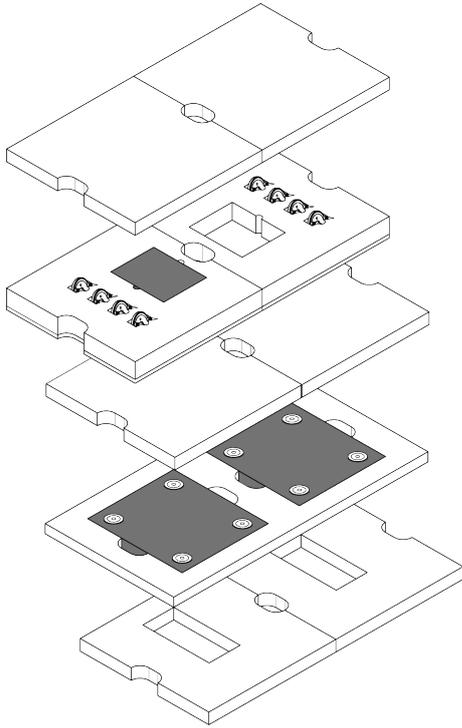
CAUTION

HEAVY PARTS

Unpacking the Evidence Platinum without assistance may lead to personal injuries or damage to your equipment.

- Consult your trained Dynaudio dealer for assistance.
- It is recommended that two people unpack the loudspeakers.

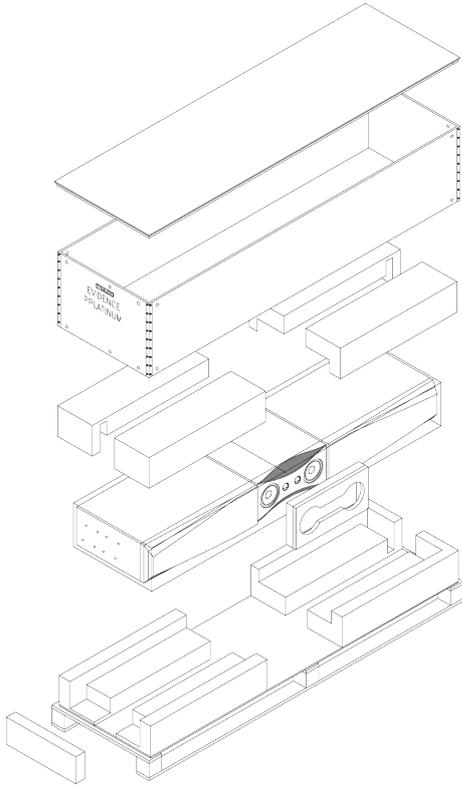
Unpacking the Evidence Platinum base plinths



Open the packaging box marked "No. 1" first. This box contains:

- This manual including Owners Club card
- 1x Hex Key 4mm (for mounting the base plinth)
- 1x Hex Key 3mm (for mounting and adjusting the spike feet)
- 1x Pair of white gloves
- 1x Cleaning cloth
- 1x Multilingual manual poster
- 1x Warranty card
- 1x Lifter Pad (for bringing the loudspeakers upright)
- 16x Metal screws (for affixing the base plinth)
- 8x Three-Spike Platinum Feet (optional)
- 2x Loudspeaker base plinth

Unpacking the Evidence Platinum loudspeakers

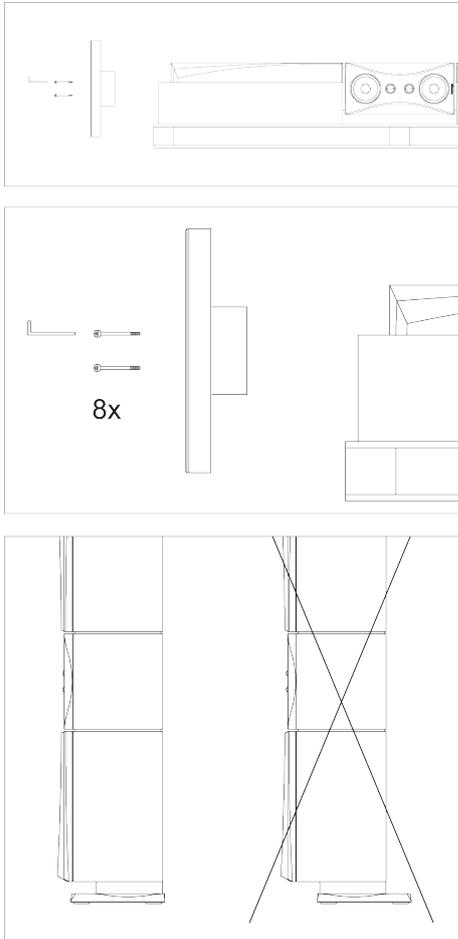


Open the packaging boxes marked "No. 2" and prepare loudspeakers for plinth mounting.

1. Unscrew and open the top cover and lift out the corner paddings.
2. Unscrew and lift up the sidewall frame.
3. Unfold the white cloth of the loudspeaker to each side. Do not unwrap completely.
4. Find the loudspeaker's underside (Underside has 8 screw holes drilled into the cabinet).
5. Remove the padding in front of the loudspeaker's underside.

Mounting the base plinth

Mount the base plinth to the speaker



1. Lift out one plinth. It is recommended that two people hold the plinth.
2. Hold up the plinth in front of the loudspeaker's underside, with the 8 screw holes lined up. Make sure that the plinth's rounded front matches the loudspeaker's front.
3. With the holes aligned, insert the 8 screws and hand-tighten them with the Hex key 4mm.
4. When all 8 screws are inserted, tighten all screws with Hex key 4mm.
5. Repeat the above process with the second loudspeaker.



CAUTION

HEAVY PARTS

Unpacking the Evidence Platinum without assistance may lead to personal injuries or damage to your equipment.

- Consult your trained Dynaudio dealer for assistance.
- It is recommended that two people unpack the loudspeakers.

Changing the plinth feet

The Evidence Platinum is delivered with two different types of feet.

The loudspeaker comes with the Universal Platinum Feet mounted. This type has an anti-slide, resonance-minimizing rubber ring underneath its lower disc. It is intended for hard floors such as marble, tile, wood, stone or any other similar material. It may also be used on any other floor material.



Universal Platinum Foot

The loudspeaker also comes with additional Three-Spike Platinum Feet included in Box 1. This type offers the firmest stand on soft floors such as carpet; the spikes are intended to pierce through the carpet and make contact with the harder floor underneath. It may also be used on hardwood floors but it will likely leave visible marks or scratches.



Alternative Three-Spike disc

Both feet types have an internal hardened spike on hardened brass disc assembly. Release the internal spike fully only after the loudspeaker has been placed at its final position, see next chapter.

1. Unscrew the 3 flat-head hex screws around the brass middle (see picture).
2. Lift off the disc.
3. Exchange with the alternative disc in place (rubber ring disc or spike disc)
4. Screw and tighten the 3 flat-head screws around the brass middle.
5. Repeat with all 4 plinth feet per loudspeaker.



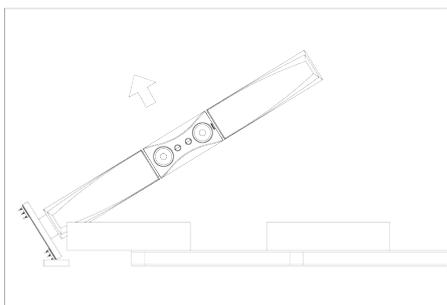
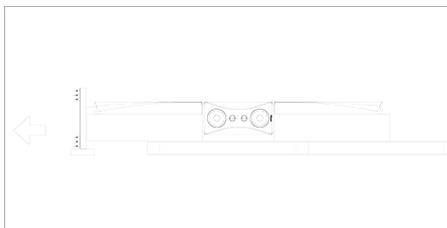
CAUTION

SHARP POINTS

Spikes with sharp points. The spikes may cause injuries and damage sensitive surfaces like hardwood flooring, tile or carpet. Be careful when handling the loudspeakers. Do not shift or pull the loudspeakers without lifting them up from the floor.

Lifting the loudspeaker

Lifting the loudspeaker with Lifter Pad



For the next step, Dynaudio provides the Loudspeaker Lifter Pad inside the packaging box marked No. 1.

Note

When bringing the loudspeaker upright, this Lifter Pad MUST be used, otherwise the plinth feet may be damaged. Use the Lifter Pad every time when tilting the loudspeaker.

1. Take out the Lifter Pad and place in front of the mounted loudspeaker plinth.
2. Shift the loudspeaker outwards by sliding it together with its paddings.
3. Carefully tilt the loudspeaker by rolling the plinth's corner over the Lifter Pad. Two people are recommended for lifting the loudspeaker upright.
4. When the loudspeaker stand upright, the Lifter Pad can be removed by slightly tilting the loudspeaker to one side.
5. Once the loudspeaker has been placed at its desired position, release out the internal spike in each foot by inserting Hex key 3 mm through the top opening . As soon as the plinth is lifted up slightly, stop turning the spike. Repeat with all 4 feet until the loudspeaker is level.
6. Repeat with second loudspeaker.



CAUTION

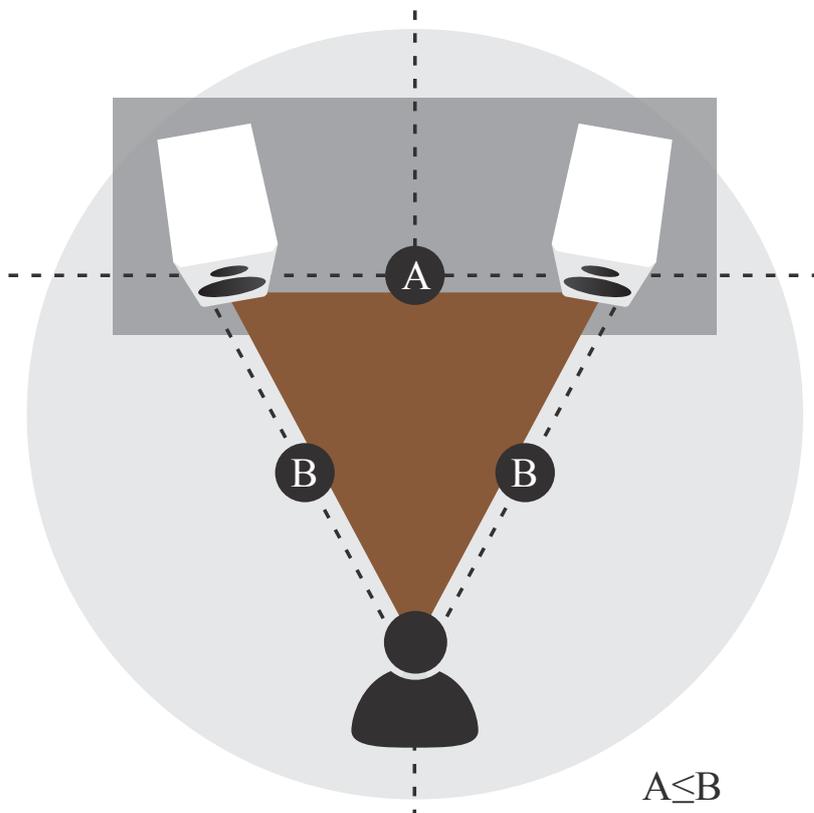
HEAVY PARTS

Unpacking the Evidence Platinum without assistance may lead to personal injuries or damage to your equipment.

- Consult your trained Dynaudio dealer for assistance.
- It is recommended that two people unpack the loudspeakers.

Positioning the Loudspeaker

Loudspeaker placement



The starting point for any setup will be to create a triangle between each loudspeaker and the listening seat. Each side of the triangle should have about the same distance. From this starting point the best possible sound staging and sound balance can be found.

Distance between loudspeakers

Setting the distance between the speakers is a trade-off between a wide sound and a precise centre image. The farther apart the speakers (with the same listening position) the wider the sound stage, however the centre image weakens. Achieve the best possible balance for your listening taste.

Distance between loudspeaker and the rear wall

The distance to the rear wall should be at least 0.5 meters. The rear wall reflects the low frequency sound into the room making the sound more bass-heavy with more slam and changes the tonal balance of the sound. The nearer the rear wall the more bass. But this will also colour the sound and make the room impose the sound even further in the bass region. Move the speakers back and forth to achieve the right tonal balance (with the listening seat at the same position). Moving the speaker further into the room also improves the depth of the soundstage. Achieve the right trade-off between the tonal balance and the depth of the soundstage.

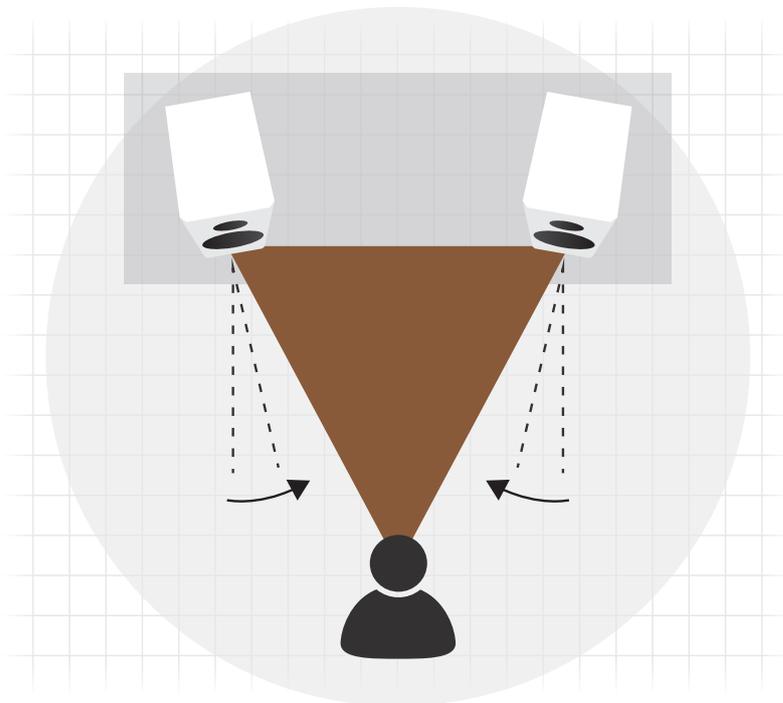
Position of the listening point

The distance between the speakers and the listening position, also called the sweet spot, should be at least 3 meters for the sound from the woofers, midranges and tweeters to integrate. Be careful not to have the listening

position right next to a wall. In the best listening position everything snaps into focus, the soundstage is precise and spacious and the tonal balance is just right. Move the listening position back and forth to achieve this.

Angling of the speakers (toe-in)

Toe-in is angling the loudspeaker inwards towards the listener. It is important that the angle of toe-in is the same for each speaker. There is no rule on exactly how much toe-in the speakers should be at, but it greatly depends on the speakers' position, the room acoustics and personal taste. Increasing the toe-in will increase the amount of direct sound towards the listener. This means the soundstage will become more precise and the tonal balance more bright. Reducing toe-in can create a more spacious soundstage and a warmer tonal balance. One may use toe-in to achieve the desired balance in respect to the above. It is also possible to adjust the tilt-rake of the speaker by raising the speaker with the spikes more in the back or in the front. This might be necessary if you sit very low or very high in your listening position, for example.



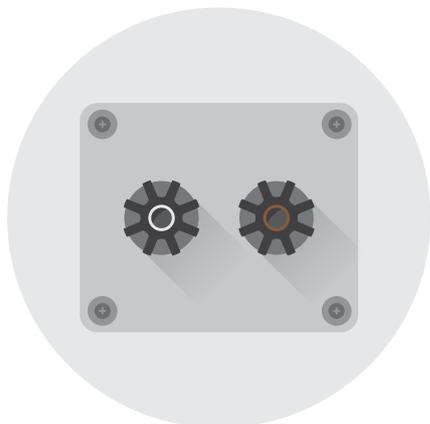
Positioning of multi-channel and home theatre loudspeakers

When setting up a home theatre system, all loudspeakers should create a realistic soundstage with similar sound characteristics on each channel. It is therefore important that any speaker used in a multi-channel setup should offer a similar high level of quality.

Consult your Dynaudio dealer for possibilities to create a multi-channel system with your Evidence Platinum.

Connecting the Loudspeakers

Choice of cable connectors



Binding posts at rear of cabinet

The high quality, gold plated WBT NextGen™ binding posts can accommodate different connection systems:

- 4-mm banana plugs: The plug pins can be put directly into the binding post without any tightening necessary.
- 6 mm cable spades: Cable spades can be connected by un-tightening the binding posts, inserting the spade into the opening, and securing the spade by tightening the posts.
- Bare wires: Bare wires can be connected by un-tightening the binding posts and placing the cable into the binding Post openings and tightening the posts. Dynaudio recommends using banana plugs or cable spades.

Connecting the loudspeakers to your amplifier

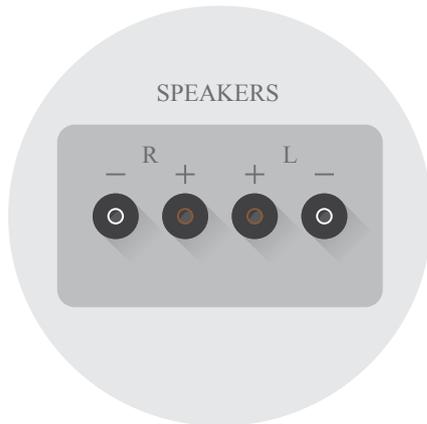
Before connecting the loudspeakers to your amplifier, switch off the amplifier completely.

Step 1:

Connect a two-pole loudspeaker cable to the binding posts of the LEFT speaker, located at rear of the Cabinet. Connect one cable lead to the red (+) post, and the other cable lead to the white (-) post.

Connect a two-pole loudspeaker cable to the binding posts of the RIGHT speaker, located at rear of the Cabinet. Connect one cable lead to the red (+) post, and the other cable lead to the white (-) post.

Step 2:



Amplifier loudspeaker outputs (example)

With your amplifier switched off, connect the other end of the LEFT loudspeaker cable to the LEFT loudspeaker outputs of the amp.

Take care to ensure the correct polarity: Choose the red (+) output and white or black (-) output according to the loudspeaker binding posts.

Keeping the amplifier switched off, connect the other end of the RIGHT loudspeaker cable to the RIGHT loudspeaker outputs of the amp.

Take care to ensure correct polarity: Choose the red (+) output and white or black (-) output according to the loudspeaker binding posts.



CAUTION

Ensure that the positive and negative cables (+/-) do not make contact with each other. Otherwise your amplifier or loudspeaker may be damaged.

Note

Ensure that the connectors have a clean contact area and that the contact is tight. Tighten the posts and check the contact regularly to make sure that it hasn't loosened over time.

Bi-wiring/bi-amping is not possible with the Evidence Platinum. Every Dynaudio loudspeaker features a carefully fine-tuned cross-over, optimised using select parts and an advanced circuitry to achieve a truly balanced and smooth frequency response as well as a correct phase response. Therefore, dividing the frequency sections through bi-wiring or bi-amping is neither recommended nor necessary.

Running-in the loudspeakers

After connecting the loudspeakers for the first time Dynaudio advises that you run-in the loudspeakers prior to any critical listening. The moving parts of this newly-manufactured loudspeaker have been acoustically checked after production, but nevertheless are not as flexible as they need to be for optimum sound quality to be realised.

A newly unpacked Dynaudio loudspeaker therefore requires up to several weeks running/playing to reach its optimum performance capability. After that period, a couple of minutes before every listening session will be helpful to “warm up” the loudspeakers.



CAUTION

HIGH SOUND PRESSURE LEVELS

Listening to high volume levels may harm your hearing. To avoid auditory effects, do not listen to high sound pressure levels over a longer period of time. To avoid too high output signals, check the volume level before switching your amplifier on.

Improving the Sound Performance

Choosing the right amplifier

Due to the advanced loudspeaker design and the excellent technology the Evidence Platinum can be driven with a wide range of amplifiers. With a high quality amplifier, delivering clean and undistorted signals, the speaker can achieve very high volume levels without any compromises in sound quality. However, attention must be given to amplifiers with very low power and adjustable tone controls or loudness switches. These types may soon overreach their own performance limits and may send distorted output signals to the speakers, compromising even the highest quality loudspeaker. Any damage caused under such circumstances is not covered by the Dynaudio warranty and is easily avoided in the first place by consulting your Dynaudio dealer for advice regarding the choice of amplifier, or you may contact Dynaudio.

CAUTION

DISTORTED OR TOO HIGH OUTPUT SIGNALS

Distorted output signals from too weak, defective or overloaded amplifiers may damage the loudspeakers. Use high quality amplifiers only and run loudspeakers and amplifiers within specified power ratings. To avoid too high output signals, check volume level before switching your amplifier on.

Choosing the right speaker cable

The choice of loudspeaker cable may improve the sound quality of your system. Dynaudio loudspeakers are designed to be very neutral and thus are not especially suited to any particular cable type, brand, diameter, or conductor material. In general, quality cable products will yield a quality result. The choice of cable is as much a factor of matching the cable to the entire audio system, especially the amplifier, as well as matching your desired sound quality. Please consult your Dynaudio dealer for information about recommended loudspeaker cables that will suit both your electronics and the Dynaudio Evidence Platinum.

Choosing the right music

The Evidence Platinum was designed to reproduce the music faithfully and authentically to the original, and as good as the source, amplifier and cables allow. There is no limit and no focus on any particular kind of music.

Getting the best sound from your room

No HiFi equipment, no matter how advanced or expensive, will sound better than the room allows it to. Every room has its own room acoustics and a certain sound character and will impose it on the sound from your loudspeaker. An excellent room can make a mediocre system sound great, but a poor room can make a state of the art system sound mediocre. Make sure to make the most of your room to achieve optimum performance. Here are some general guidelines of how to improve the sound of your room significantly. As no two rooms are room identical, be sure to consult your Dynaudio dealer to have a specific take on your particular situation.

Improving your listening room

The sound quality of any loudspeaker is influenced by the furniture, wall materials and other objects in the listening room. For example, large rooms without much furniture and many clean, hard wall surfaces can often exhibit a bright and diffuse sound with diverse echoing frequencies. A room with thick carpet, curtains and soft furniture surfaces will usually offer a slightly warmer, darker and less lively sound.

Dynaudio speakers have been developed to deliver the best results in normal living room acoustics. This means that room is not too damped. Achieving this can range from simply putting a rug between the listening position and the speakers to using dedicated bass traps and acoustic control devices.

High and mid frequencies

Start out by talking and listen to your voice. Does it sound perfectly normal? Or is there a slight echo to the voice?

Clap your hands in intervals. Is there echo to the clap? The goal is to have your voice sound perfectly natural and undistorted. When you clap your hand you should hear a soft decay of the clap.

If you hear that your voice sound distorted and the clap is followed by a hard echo (also called flutter-echo) you need to address this problem. This flutter echo is caused by untreated parallel surfaces. The clap will echo back and forth while it rapidly or slowly decays. Imagine how your room would sound with no furniture and carpets. Only bare walls. Then you will have flutter echo in a very imposing way. This would create a harsh and diffuse sound from your system.

With the clapping of your hand you can locate where the echo occurs. Depending upon where it is, you can put a carpet/rug on the floor, put up a curtain or add furniture, or move furniture to fill reflective spaces. For example, even bookshelves filled with books or magazines will absorb and diffuse some reflections. Many room acoustics specialists also offer damping panels and damping pads which can be placed at walls, corners and ceilings. Be careful not to add too much damping to the room as this may make the room sound dull, un-dynamic and lifeless. Find the right balance by addressing issues with your room acoustics step-by-step.

Lower frequencies

Thick and boomy bass can not only colour the sound but also be very distracting from the music itself. Experimenting with loudspeaker placement and the listening position can have a dramatic effect on low frequency problems.

Try out various side wall and rear wall distances. Small changes may result in audible sound effects. If possible, avoid the loudspeaker having equal distance to its side and rear walls. If thick and boom-y bass persists even after careful loudspeaker placement, you may want to consider using dedicated bass-traps. These devices absorb low frequencies rather than reflecting them back into the room. Consult your Dynaudio dealer for room acoustic accessories.

Removing the front grille covers

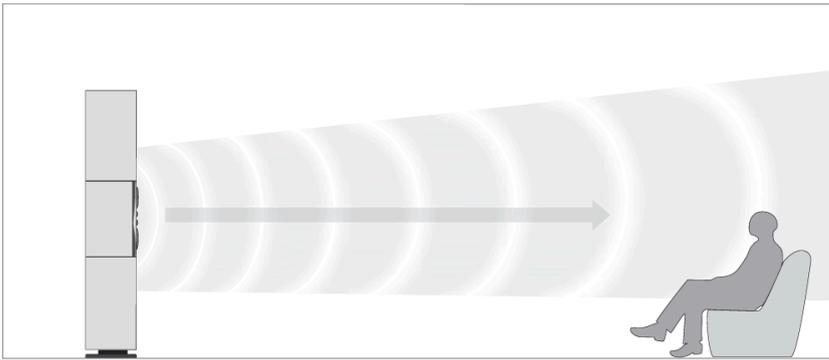
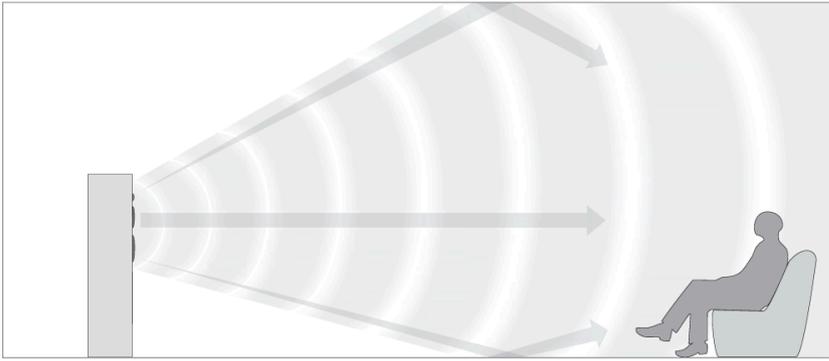
The grille is acoustically optimised, but the highest sound quality levels will be attained without any grille covers in place during critical listening. To remove the grille, gently pull the grille at all corners straight away from the front. To fit the grille, line up the tabs with the corresponding front baffle inserts and gently push the grille in at all corners.

Better sound quality in your own listening room: DDC

Dynaudio has created a technology that effectively reduces the reflections in your own listening room: DDC, Dynaudio Directivity Control. The Evidence Platinum is equipped with DDC.

The best recording and mastering studios worldwide are using Dynaudio Professional monitor speakers. Through years of experience in these studios, it became clear that many recordings are of superb quality, but in the listening room acoustics at home the potential of these recordings could not be truly experienced. In particular, reflections from floor and ceiling boundaries interfere with a faithful, realistic sonic reproduction. In many surroundings not even the best loudspeaker technology could unveil the true sonic potential.

DDC consists of a vertical symmetrical drive unit array and an elaborate crossover topology which leads to a controlled sound radiation. With two tweeters, two mid-range drivers and four woofers per loudspeaker, each drive unit complements its counterpart in frequency response and phase relationship in such a way that a carefully defined sound radiation characteristic is achieved. The energy radiated to the room's floor and ceiling is reduced by approximately 75 percent. This makes the Evidence Platinum far less dependent on the room and much less critical in positioning as compared to any other loudspeaker available.



Dynaudio Directivity Control

Care and Maintenance

Dynaudio loudspeakers require no special treatment apart from the kind of careful handling you would normally apply to any other precious product in your home.

To maintain the aesthetic quality of the loudspeakers for the long term, placing such in very warm, very cold, or very humid environments should be avoided.

Please note the following care and maintenance tips. By taking care of your loudspeakers, you will preserve the finish and build quality for many years.

Note

Switch off all components of your system when cleaning any of these components.



CAUTION

AGGRESSIVE CLEANING FLUIDS

All-in-one cleaning materials, silicone-based cleaning fluids or special furniture polishes can contain unknown aggressive chemical substances which may damage the cabinet surface or other speaker parts.

Cabinet

Clean the cabinet and other plain parts with a soft dry or slightly damp cloth only. Direct sunlight or excessive brightness can affect the colour of any natural wood veneer (the structural integrity of the cabinet will not be affected).

Tweeters

Avoid touching the tweeter domes as any change of their shape may have an impact on sound quality. A few dust particles on the dome will not affect the tweeter's performance.

Woofers and Midrange drivers

Remove dust on the woofer diaphragms with a fine, soft furniture brush.

Connectors

Make sure the connection between loudspeaker terminal and cable connector is always tight. After some time it may be useful to clean the contact area with special contact cleaner. Please ask your Dynaudio dealer for recommended cleaning products.

Grille Covers

Remove dust on the grille cloth covers with a fine furniture brush. The cloth grille is included and can be affixed to the cabinet to help protect the drivers from dust and any other influences. To remove the grille, gently pull the grille at all corners straight away from the front. To fit the grille, line up the tabs with the corresponding front baffle inserts and gently push the grille in at all corners.

Aluminium front baffle

Clean the black aluminium baffle with a soft dry or slightly damp cloth only.

Contact and Support

Dynaudio offers full support for your Evidence Platinum:

1. Contact your local Dynaudio dealer, whom is typically closest to where you live and can act most immediately.
2. Contact the Dynaudio distributor in your country, as they know the best options for support and service in case your dealer is not available, and maintain accessories and spare parts for your loudspeakers. Visit www.dynaudio.com to find your Dynaudio distributor.
3. Contact the Dynaudio Evidence Platinum customer support: platinumsupport@dynaudio.com.

Technical Specifications

Model	Evidence Platinum
Sensitivity (2.83 V/1 m)	89 dB
Recommended min. Amp. Power	Listening distance: 3 m: 20 watts (4 ohm) Listening distance: 5 m: 60 watts (4 ohm) Listening distance: 7 m: 120 watts (4 ohm) Listening distance: 10 m: 250 watts (4 ohm)
IEC Long Term Power Handling	550 watts
Impedance nominal	4 ohm
Frequency Range (+/- 3 dB)	28-25000 Hz
Bass Principle	Bass-Reflex, rear-ported
Bass Port Resonance frequency	27 Hz
Crossover slope	6 dB/octave
Weight	115 kg
Dimensions (W x H x D)	210 / 390 x 1940 x 510 mm
Connection	CE-comp. WBT NextGen, gold-plated pure copper
Recommended placement	Floor, free standing

DYNAUDIO

Evidence

Designed and engineered by Dynaudio Labs in Denmark

Dynaudio A/S
8660 Skanderborg
Denmark

[dynaudio.com](https://www.dynaudio.com)

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