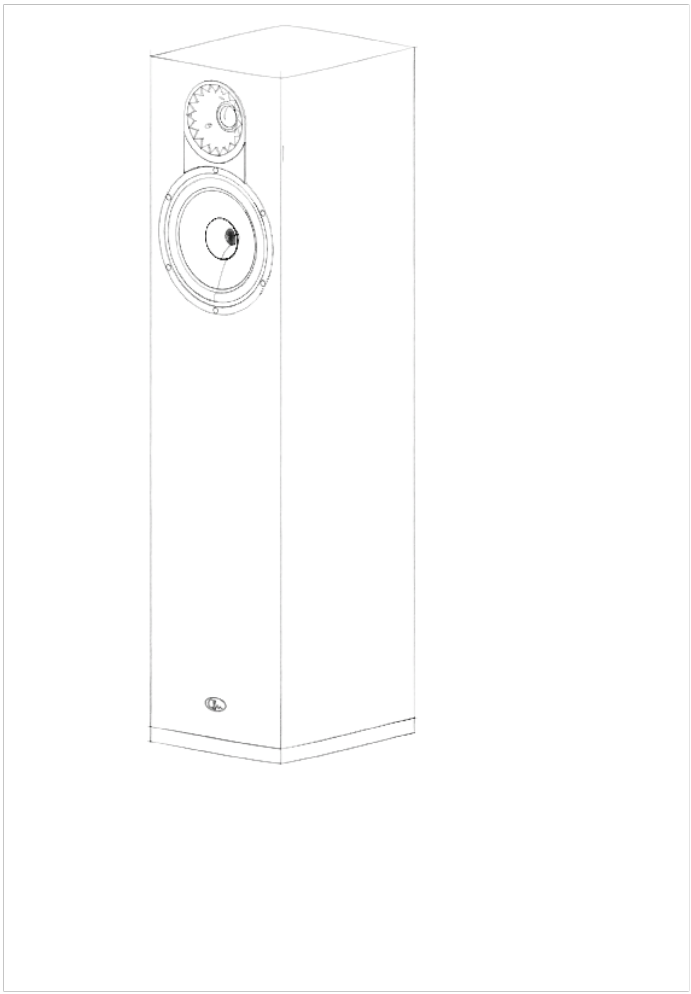
Strandberg Audio

User manual

Sonora



User instructions for Strandberg loudspeakers

Thank you and congratulations for choosing the Strandberg Sonora loudspeaker! We at Strandberg Audio hope you will get a lot of enjoyment from listening to music and that you will get very rewarding listening sessions for many years to come.

The Strandberg Sonora

The goal of the Strandberg Sonora was to create a speaker with a combination of visual timeless design and the ability to make you just listen to music and not to the technical solutions involved. Where others show off their technical solutions, we try to hide them and just present a piece of musical furniture that can be nicely placed in your living room. All the technical solutions are present, but the only role for them is to recreate the recorded music from your source. We must not forget, that the purpose of a speaker is to recall an original sound event, making it live again and providing the same emotions we feel when listening to a big orchestra, a string quartet, a rock band, a jazz trio or just a vocal with a piano.
This is why Strandberg look at speakers as musical instruments. We know that good sound depends on the acoustic chamber - just like in a string instrument. But opposite to music instruments we don’t create sound, we just reproduce it.
Strandberg searched for cabinet shapes and proportions that will guarantee exceptional control of internal resonance, perfect acoustics, excellent driver stability, phase response and easy integration in rooms.

Technology

Strandberg Sonora is designed using all the know-how we at Strandberg Audio design team have acquired from producing highly prestigious speakers for many years, combined with cutting edge measurements and long critical listening sessions. The speakers are assembled in Molndal Sweden. The cabinets are made by skilled artisans with careful selection of the materials used and with strict checks carried out during the work in progress. This is a guarantee for speaker excellence and inalterability over time.
All the components are carefully selected, the drivers are specially made by hi quality manufactures to our specifications, crossover components and terminal post are from Germany. Crossover are made with great

care and only using high quality components with maximum attention to the signal route.

1. Unpacking and maintenance

Your speaker should be treated with the same care as you would treat a piece
of furniture. Use a piece of soft cloth and a small quantity of warm soapy water to clean the loudspeaker. Avoid touching the cone of the bass unit or the treble dome since this may leave a mark or damage the dome and spoil its performance. After unpacking, we suggest you retain all packing material for future transports.

2. Break-in

As with all high-quality loudspeaker systems, the musical performance of your Strandberg loudspeakers will improve over an initial break-in period. Please allow your new speakers to play a minimum 50 hours of music at normal listening levels before doing any critical listening. Up to 200-300 hours break-in will be needed for the speaker to reach it’s fully potential of great sound.

3. Spikes mounting

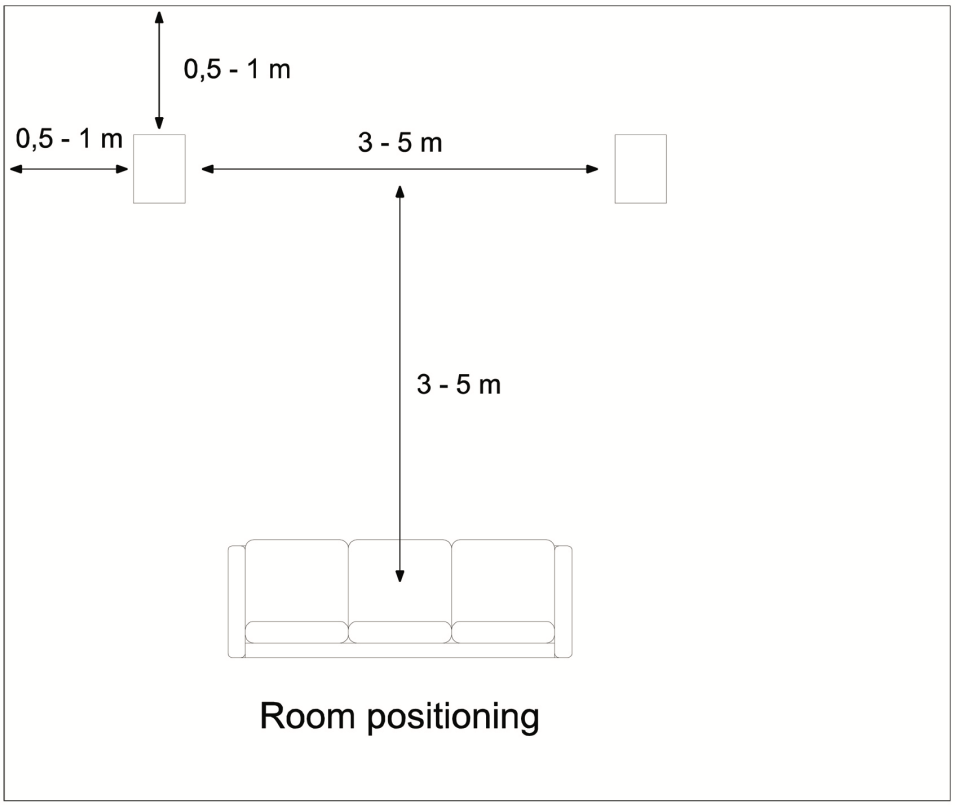
Speaker is delivered with 4pcs for each M6 spikes for floor protection disks. To obtain proper mechanical coupling to the floor, adjust until all four spikes have equal contact.

4. Room positioning

The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers is 3-4 m apart and preferably at least 0.5-1m away from side and rear walls. Avoid distances from walls that correspond to 1/2, 1/4, 1/6 etc., of the room dimensions. Seek instead odd fractions; 1/3, 1/5, 1/7 etc. to minimise effects of room related resonances.

The longer distance from the back wall, the deeper stereo image you will get. You can also place some damping or diffusing material on the back wall behind the speaker, which can help you to get a deeper stereo image.
It's important that the distance form the listener to each speaker is equal. Differences as small as 1 cm can make difference. Use a small rope or laser meter to set the distance as equal as possible.

You will perceive the most accurate sound stage if you listen from a position halfway between the loudspeakers and three to four metres away.



Room positioning

Avoid corner placement as it leads to colouration and often will over emphasise the lower frequencies. Image stability and stereo perception is increased if the two speakers are turned slightly towards the listening position. Start so you just can see around two cm of the inside wall of the speaker. Close to this is normally the best. More toe in will make the stereo image and centre voices more narrowed. The other way the voices will be wider. Try to find a position where you get a wide and even stereo perspective from left to right. Then try for best stereo image and centre focus. Objects in the direct sound path can disturb the coherence

of the sound picture. Try out different positions before deciding on a final arrangement. And for serious listening - remove the front grill.
We recommend a listening room from 15-50m2, but the speaker can also preform excellent in even larger rooms. Happy listening!

5. Connections

We recommend the use of heavy gauge loudspeaker cables of high quality. Make sure to turn off all amplifiers before connecting your new speaker to your Hi-Fi system.
Connect the cable to the terminal. Use the marking of the cable to ensure that the red or ”+” mark of the amplifier is connected to the ”+” side of the terminal, also marked with red. Often there also is a direction mark on the speaker cable. It can be an arrow or a text pointing in direction to the speaker.

6. Power handling

We recommend using amplifiers within a specific power range, see under specifications. Due to the special 8” driver with light cone and high sensitivity it play well with low SE Tube amplifier.
The power-rating figure of a loudspeaker is a very imprecise figure. Since the energy in the music signal varies, neither peak nor average value is relevant. A power rating of 50W RMS only says that you can play a continuous tone of 1kHz at this output. It doesn’t mean that you can turn the volume all the way up on a 50W amplifier and expect a clear sound and healthy speakers.
The greatest danger to a loudspeaker is a distorted signal. Distortion in the low frequency range produces overtones in the entire spectrum, with an energy that can easily damage the tweeter units. And since a more powerful amplifier can play louder without distortion, we have the paradox that it is a greater risk to damage speakers by playing loud with a smaller amplifier.

Caution!

If you hear distortion when you increase the volume this is normally a sign of overloading the amplifier and you should immediately reduce the output level. Use of loudness, bass or treble boost increases the risk for harmful distortion in the amplifier. We recommend that you use such controls with care or bypass them if possible.

7. Service

Should your Strandberg loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your Strandberg loudspeaker system is capable, consult the Strandberg dealer where the system was purchased. Your dealer has the knowledge required to provide expert advice and assistance. In case the dealer is unable to assist you, you are welcome to contact us at Strandberg Audio direct by email info@strandbergaudio.com. You also find contact info at our homepage, www.strandbergaudio.com. Regrettably we can't give direct telephone support to end users.

8. Warranty

This Strandberg loudspeaker is warranted to the original purchaser against factory defects in material or workmanship for a period of one (5) years from the date of original purchase. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable.

Strandberg loudspeakers are music listening devices and should be used for listening purposes only. They must not be connected to any other equipment than amplifiers within the specified power range.

Strandberg Audio cannot be held responsible for damage or injuries caused by improper use or use in violation with the recommendations in this leaflet.

Specification

Impedance: 8 ohms
Amplifier requirements: 5-100 Watt RMS
Sensitivity: 92 dB SPL 1 Watt/1m
Low frequency performance: -3dB 35Hz
Cabinet: Hi density board with internal damping pads
Terminal: Single wire, WBT Nextgen®
Dimensions (HxWxD): 1020x250x300mm
Weight: 29 kg each
Finish: Walnut piano, Walnut matt

info@strandbergaudio.com
www.strandbergaudio.com
Molndal Sweden