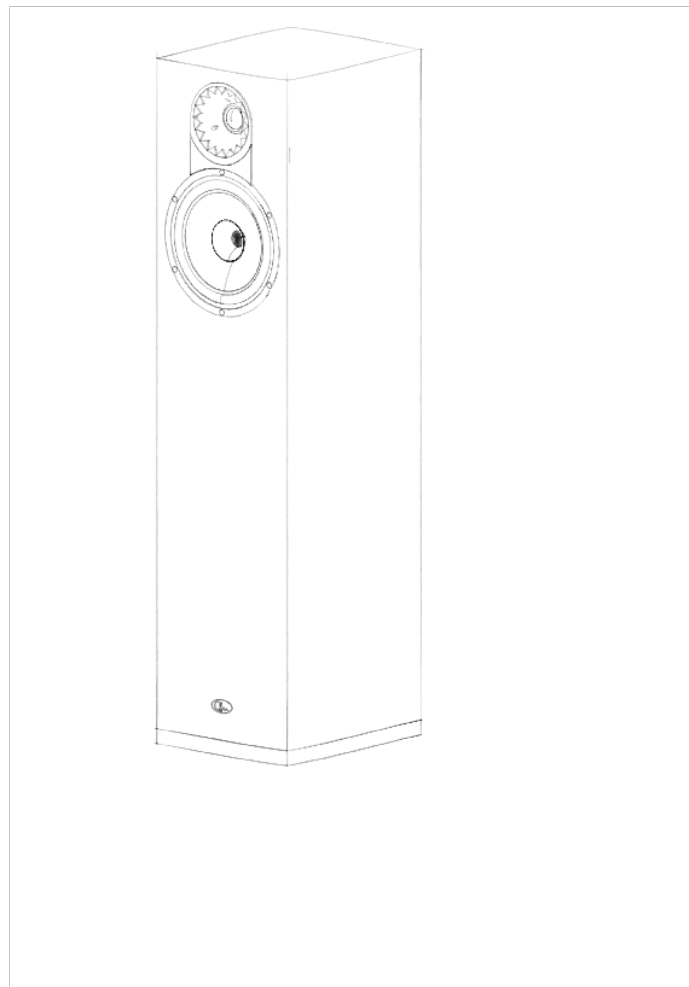


Strandberg Audio

User manual

C50



User instructions for Strandberg loudspeakers

Thank you and congratulations for choosing the Strandberg C10 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 C50

The Strandberg C50 is a classical designed floor standing speaker with the latest drive unit technology. The goal is to make an uncomplicated sound that is easy to listen to that respond well to the smallest input signal.

To achieve this we use one larger mid-woofer with low mass, instead of many small drive units. In this way we get more physical feeling of deeper tones than just the deep tune. The balance between what we hear and frequency measurements will be more correct. In other word we get more body in the sound.

Drive units with light cone is also easy to drive with a small amplifier. The larger cabinet size will make low cone mass mid-woofer breathe natural with less compression. Then we will have deep clear un compressed natural bass.

Technology

Strandberg C50 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 its 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

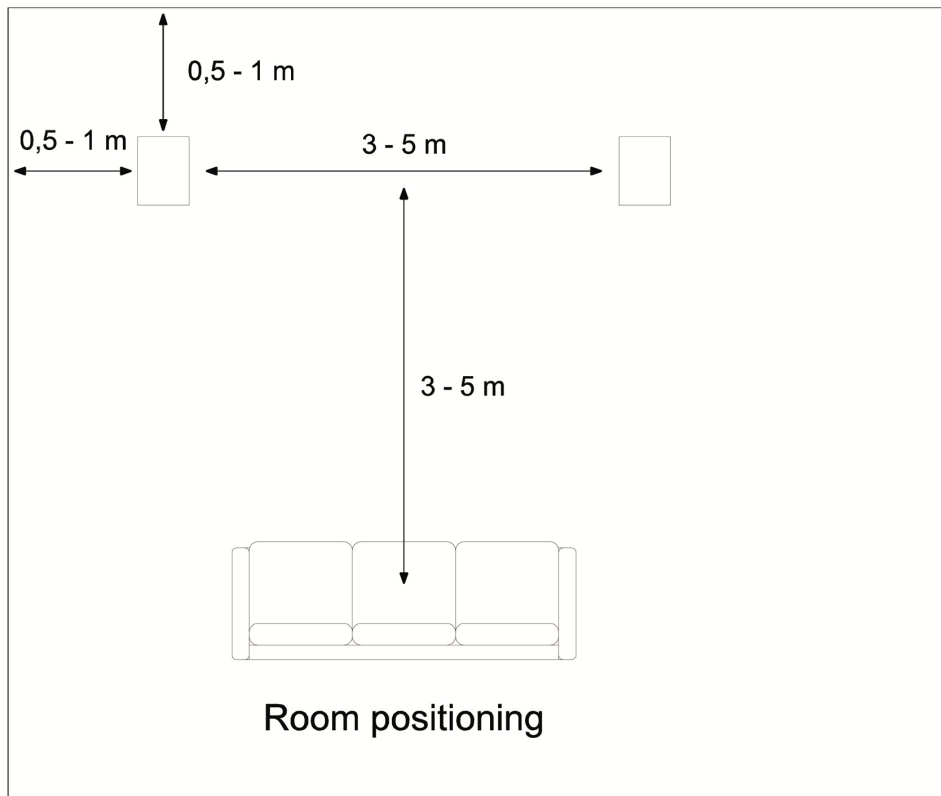
The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers is 3-4 m apart and preferably at least 0.5-1m away from side and rear walls. Avoid distances from walls that correspond to $1/2$, $1/4$, $1/6$ etc., of the room dimensions. Seek instead odd fractions;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



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 20-50m², 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

Strandberg Audio recommend using amplifiers within a specific power range, see under specifications. However, more important is that the amplifier has sufficient power reserves for handling of the peaks and transients in the music signal.

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. Power rating of fx. 100W 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 100W 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 by-pass 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 recommendation: 25-150 Watt RMS

Sensitivity: 89 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 matt, White Satin

info@strandbergaudio.com

www.strandbergaudio.com

Molndal Sweden