Børresen A-series

USER GUIDE

Rev.1.0 ENG



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SAFETY INSTRUCTIONS

Avoid bringing external metal objects close to the loudspeaker. The tweeter contains very strong magnets and close contact with metal objects can cause damage.

The loudspeakers may be damaged due to distorted output signals from too weak, defective or overloaded amplifiers. Use only high quality amplifiers and run these within the specified power ratings.

Let the speaker reach room temperature before plugging it in. Condensation may arise in the electronic circuitry when moving the speaker from cold to warm surroundings. Such moisture may damage the speaker's components.

To protect the surface, please wear protective gloves when handling the loudspeaker.

Never use the product in damp environments. Do not insert foreign objects into the speaker's bass reflex ports. Avoid touching the speaker elements.

SAFETY INSTRUCTIONS

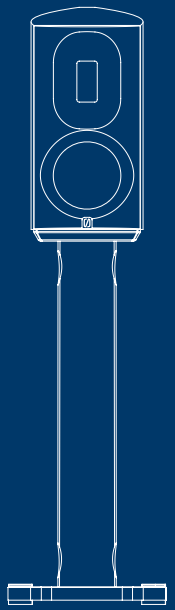
Do not use a vacuum cleaner to remove dust from the loudspeakers elements. Brush it away gently with a soft brush.

Do not use any detergent. It may discolor the finish.

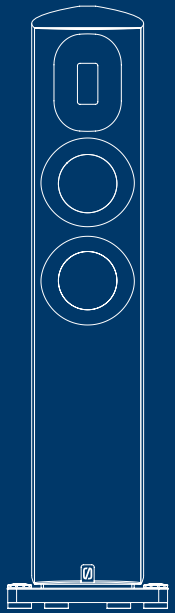
Clean the surface of the loudspeakers with a firmly wrung, damp cloth.

Do not expose the cabinets to direct sunlight.

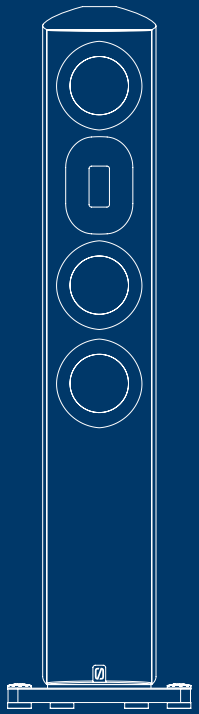




A1



A2



A3

CONNECTING THE SPEAKERS - A1 / A2

With every connection system, ensure that the contact is tight and has a proper contact area.

Connectors with gold plating will typically offer the best results and remain corrosion-free.

Please ensure that the positive and negative cables do not make contact with each other.

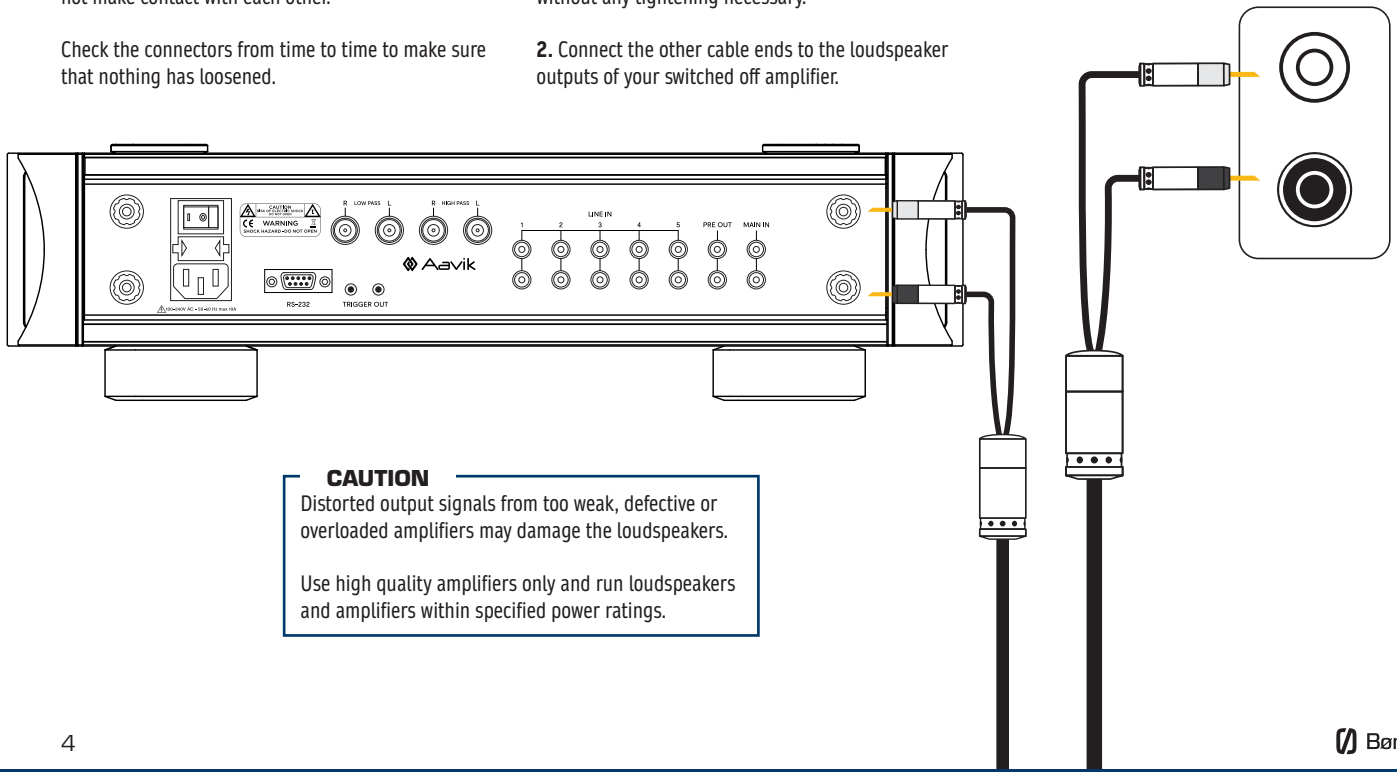
Check the connectors from time to time to make sure that nothing has loosened.

1. Connect a two-pole (+/-) loudspeaker cable to the terminals, located at rear of the loudspeaker.

The high quality binding posts can accommodate only 4-mm-plugs (“banana plugs”).

The pins can be put directly into the binding post without any tightening necessary.

2. Connect the other cable ends to the loudspeaker outputs of your switched off amplifier.



CAUTION

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.

CONNECTING THE SPEAKERS - A3

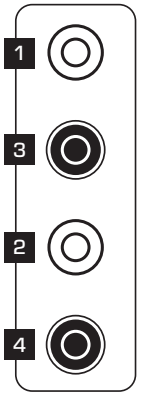
The speakers can be connected in three different configurations:

1. Single wiring
Single wiring is the most common principle for connecting the speakers. Since bi-amping is optional for this speaker, you need to connect the included Y-splitter speaker cable to the speaker cable.

2. Bi-wiring
Allows you to use two sets of speaker wires to connect individually to the low bass section (below 150 Hz) and the bass (over 150 Hz)/midrange/tweeter section.

3. Bi-amping
This principle allows you to use two sets of speaker wires connected to two stereo amplifiers. It also allows you to use an active crossover* in front of two stereo amplifiers to optimize the level between the deep bass (below 150 Hz) and bass (over 150 Hz)/mid/high frequencies according to the listening rooms acoustical properties.

* = we recommend using the Dual Slope Analog Active Crossover found in some Aavik amplifiers.



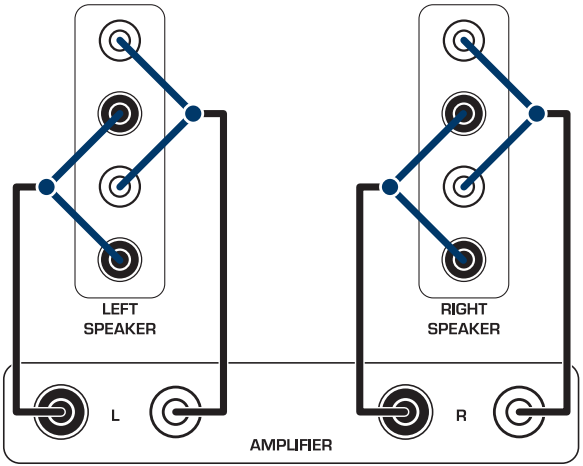
1 Single wiring

The speakers are equipped with two pairs of binding posts. Follow these steps to connect your two-pole (+/-) speaker cables:

A. Use the provided Y-splitter cables to connect the speaker cables to the speaker. Connect the included Y-splitter cables to each pole on the speaker cable.

Connect the black marked connectors to minus (-) pole 1 and 2 on the speaker, and the white marked connectors to plus (+) pole 3 and 4 on the speaker.

B. Connect the other ends of the speaker cables to the speaker output on your amplifier. Ensure the amplifier is switched off.

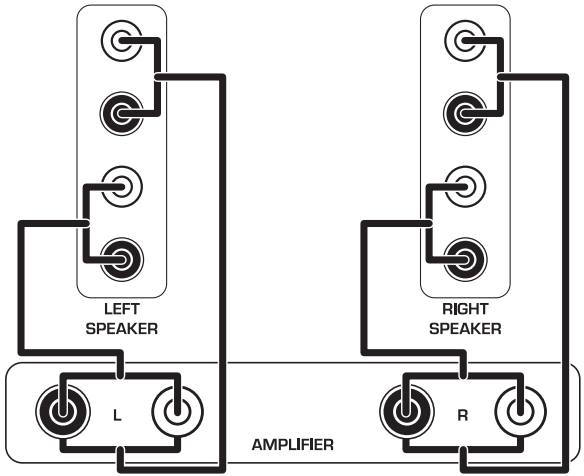


2 Bi-wiring

The speakers are equipped with two pairs of binding posts. Follow these steps to connect your two sets of two-pole (+/-) speaker cables:

A. Connect one set of speaker wires to the upper terminals with negative (-) 1 3 to black and Positive (+) to white. Connect the second set of speaker wires to the lower terminals the same way 2 4.

B. Connect the other ends of the speaker cables to the speaker output on your amplifier. Ensure the amplifier is switched off.

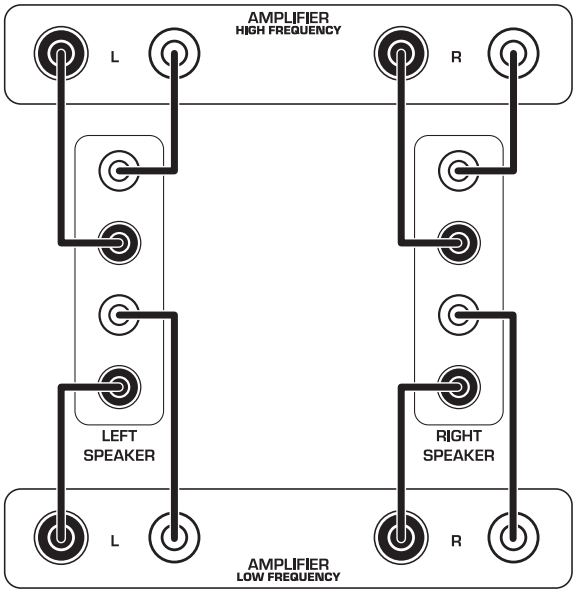


3 Bi-amping

Connect the speakers to two power amplifiers using two sets of speaker cables for each speaker.

A. Connect the black marked connectors to minus (-) pole 1 and 2 on the speaker, and the white marked connectors to plus (+) pole 3 and 4 on the speaker.

B. Connect the other ends of the speaker cables to the speaker output on your amplifiers. Ensure the amplifiers are switched off.



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POSITIONING

The sound from loudspeakers depends very much on the room and on the way they are set up. Please consult your dealer for advice on how to set up your Børresen loudspeakers in your home.

These guidelines are general and will give you a good starting point for further experimenting in finding out what is just the right setup for your room.

The distance from the side walls to the loudspeakers

The Børresen loudspeakers are not that sensitive in regard to getting to close to sidewalls. A distance of about 15 cm will be enough. Too short a distance to the side walls is likely to increase the amount of bass.

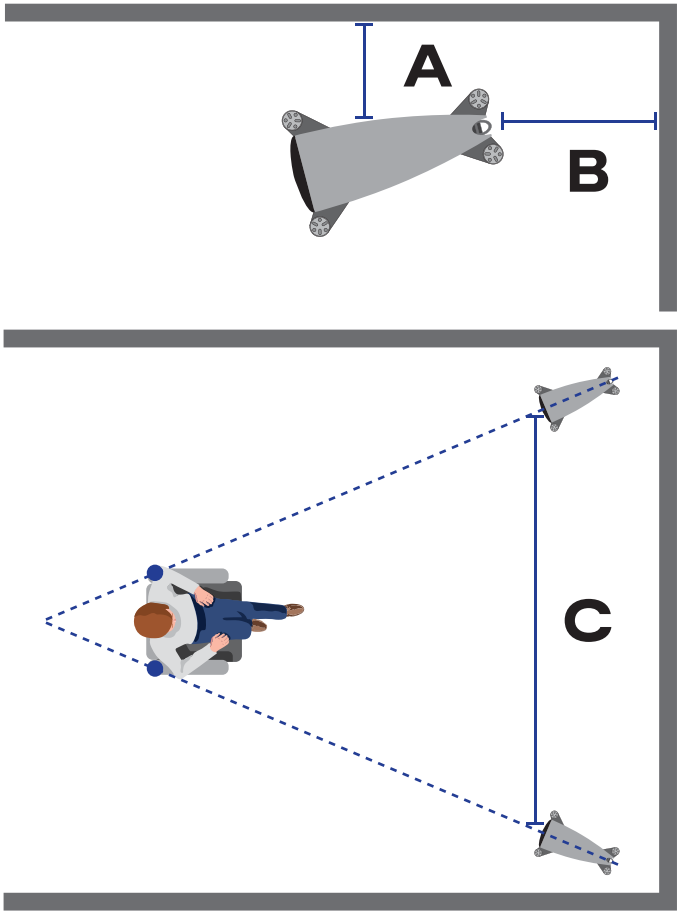
The distance between the rear of the loudspeakers and the wall behind them

Start with a distance of 50 cm. This distance should be exactly the same for both loudspeakers. Try the loudspeakers out with music you know and find out what distance gives the best sound.

Greater distance = weaker bass, more precise bass, better precision and bigger sound stage. Shorter distance = more and softer bass, and a smaller sound stage.

The distance between the loudspeakers and the listener

The ideal distance between the loudspeakers is not less than 3 metres. Put the loudspeakers in an angle making the center point at the listeners shoulders. The lines should cross about one meter behind the listeners head, meaning that the listener should just be able to see the two inner sides of the speakers.



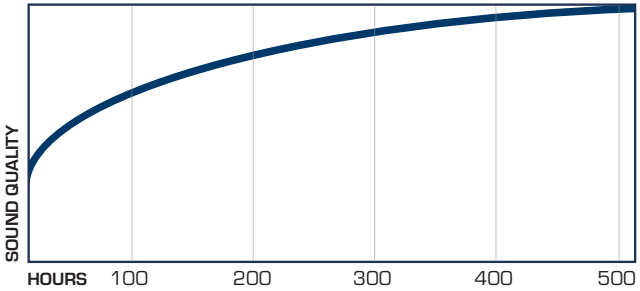
BURN IN

All new high-quality loudspeakers require a certain period of burn-in before they reach their full sonic potential.

Because Børresen loudspeakers are built with long-stroke bass drivers featuring natural rubber surrounds, they typically need **at least 50–100 hours** of real music playback at a reasonable listening level to settle in properly.

During this time, you may notice a gradual and continuous improvement in overall sound quality—tighter bass, more open midrange, and increased clarity as the drivers loosen and stabilize.

There are **no special precautions** you need to take throughout the burn-in period; simply enjoy your music as the loudspeakers naturally evolve toward their optimal performance.



RECOMMENDED PRODUCTS

Ansuz loudspeaker cables

Børresen recommends using high-end Ansuz speaker cables with the T-series speakers. These cables are designed to deliver pure signal flow, reducing resistance, induction, and noise floor for an authentic soundstage. As Børresen speakers and Ansuz cables are developed and designed by the same team, they share the same DNA and a unique synergy that ensures a seamless and exceptional sound reproduction experience.

Ansuz PowerBox

For clean power delivery to the speakers, Børresen recommends using the Ansuz PowerBox. This device reduces noise and controls resonances, resulting in an expansive soundstage with enhanced musicality and detail.

Ansuz Darkz resonance control

The loudspeaker stands are prepared for using the Ansuz Darkz resonance control devices. Ansuz Darkz absorb vibrations that are not directly related to the signal path. The absorption results in an audible vibration feedback, which affects the sound quality. It is the natural and authentic sound that Ansuz Darkz devices are designed to preserve. There is no alteration of the authentic sound reproduction which, when using conventional grounding materials, often make the sound unnaturally cold and harsh.

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SPECIFICATIONS

	A1	A2	A3
DIMENSIONS (H x W x D)	Without stand: 41.7 cm x 21.1 cm x 44.6 cm 16.42 in x 8.31 in x 17.56 in With stand: 112.3 cm x 29.5 cm x 46.4 cm 44.21 in x 11.61 in x 18.27 in	113.2 cm x 30 cm x 57.8 cm 44.57 in x 11.81 in x 22.76 in	132 cm x 34.4 cm x 62.3 cm 51.97 in x 13.54 in x 24.53 in
WEIGHT	Without stand: 14 kg / 30.9 lbs With stand: 27.5 kg / 60.6 lbs	44 kg / 97.0 lbs	54 kg / 119.0 lbs
FREQUENCY RESPONSE	45Hz – 50kHz	35Hz - 50kHz	25Hz - 50kHz
SENSITIVITY	89 dB/1W	89 dB/1W	89 dB/1W
IMPEDANCE Ω	>6 Ω	>6 Ω	>6 Ω
RECOMMENDED AMP.	> 50 W	> 50 W	> 50 W
TWEETER	1 x RP94 Ribbon Planar	1 x RP94 Ribbon Planar	1 x RP94 Ribbon Planar
BASS/MIDRANGE DRIVER	1x Børresen DCC5s driver	1x Børresen DCC5s driver	1x Børresen DCC5s driver
BASS DRIVER		1x Børresen DCC5s driver	2x Børresen DCC5s driver
FINISH	Walnut, black ash	Walnut, black ash	Walnut, black ash





Børresen

Support & Contact

For any questions, technical guidance, or assistance with setup and system optimization, our support team is available to help you achieve the full potential of your system.

Mail: info@audiogroupdenmark.com

audiogroupdenmark.com