

Steinway & Sons BWS-210  
**INSTALLATION  
MANUAL**

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## Compliance

### WEEE

The European Parliament and the Council of the European Union have issued the Waste Electrical and Electronic Equipment Directive. The purpose of the Directive is to prevent waste of electrical and electronic equipment and to promote reuse, recycling, and other forms of waste recovery. Steinway Lyngdorf products and the accessories packed with them are subject to the WEEE Directive. Please dispose of any waste materials in accordance with your local recycling regulations. Products and equipment which must be collected for reuse, recycling, and other forms of recovery are marked with the icon of the crossed-out waste receptacle.



### FCC

Steinway Lyngdorf products and accessories comply with parts 15 and 68 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; and (2) this device must accept any interference received, including any interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed.



### Safety Warning - Physical Handling

The BWS-210 is very heavy. Follow all instructions for unpacking and installation. Use ergonomically correct body positions. Be careful not to unbalance or drop the speakers during handling. SL Audio cannot be held responsible for any physical damage which occurs during the installation process.



## **Introducing the BWS-210**

Thank you for purchasing the Steinway & Sons BWS-210 woofer.

Designed and made in Skive, Denmark, the BWS-210 is a high-bandwidth boundary woofer for custom installations.

The BWS-210 has been specifically developed as an in-wall woofer for custom installations and for following the boundary woofer principle. The acoustically ideal placement is in a room corner, or at least as close as possible to the nearest room boundaries, for example floor, wall, sidewall, ceiling. This leads to an ideal impulse response and the highest power efficiency, and results in a tight and powerful bass.

The BWS-210's high-bandwidth design allows a seamless sound integration with the main speakers, while the RoomPerfect™ technology in the Steinway & Sons processors calibrates all speakers and woofers acoustically to the room, achieving the best possible sound performance.

## Unpacking the BWS-210

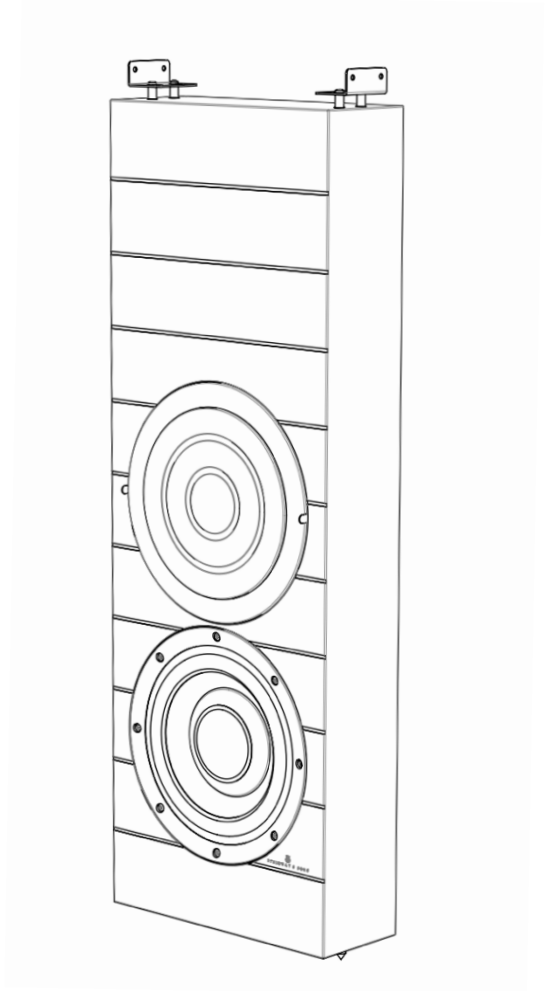
Carefully remove the BWS-210 from the carton and check for shipping damage. Contact both the shipper and your local Lyngdorf Audio representative immediately if the unit bears any sign of damage from mishandling. In some cases, it may be necessary to return the equipment to Lyngdorf Audio or an authorized service provider for repair; therefore, it is recommended that you save your original packing materials. If this unit is shipped without the original packing, damage could occur and void the warranty.

## Checking the inventory

Check to ensure that all necessary product components have been delivered. Report all discrepancies to your local Lyngdorf Audio representative immediately.



In the speaker package:

- 1 x BWS-210
- 2 x Woofer protection covers (to be removed)
- 2 x Angle brackets (pre-mounted on top)
- 2 x Metal spike feet (M8) (pre-mounted at the bottom)
- 1 x Installation Guide Panel
- 1 x Paintable speaker grill incl. mounting frame with magnets
- 1 x Installer Manual



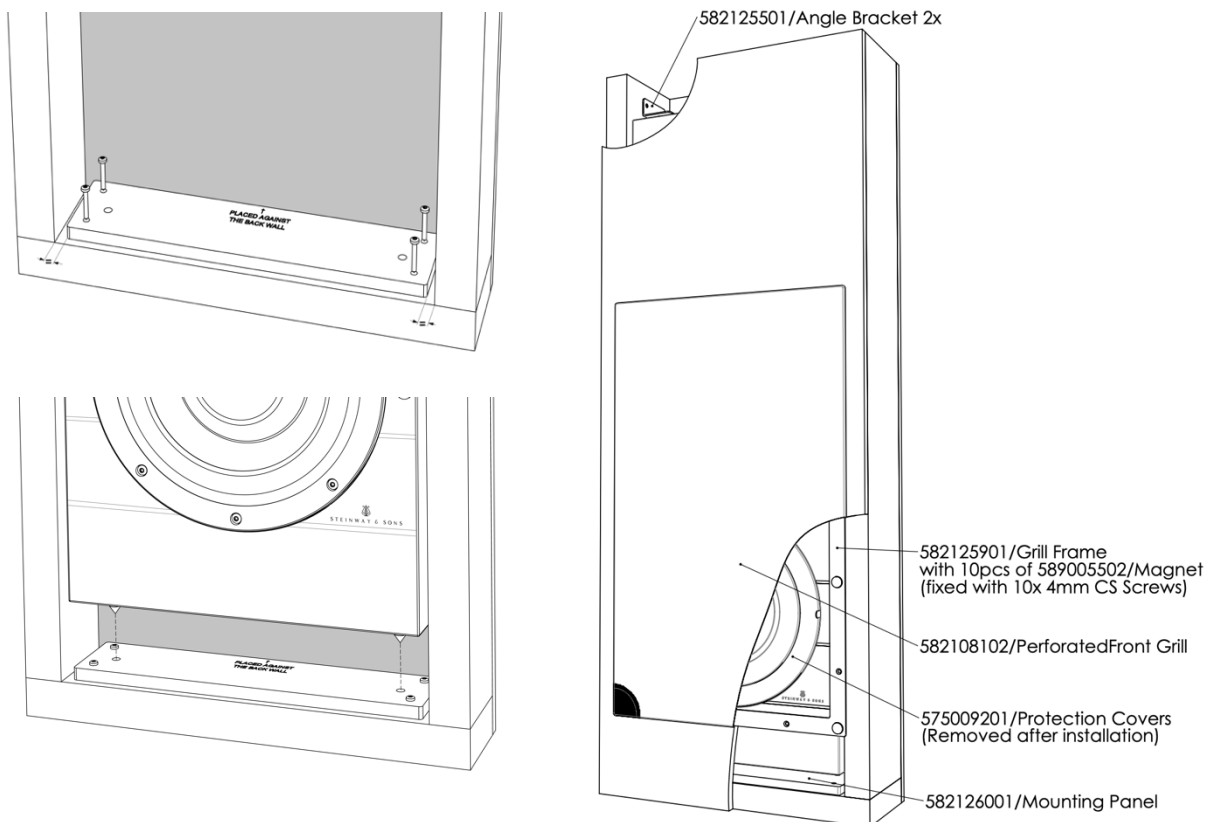
## Pre-Installation

**For the best mechanical integration and sound performance, please follow this advice before installing the BWS-210.**

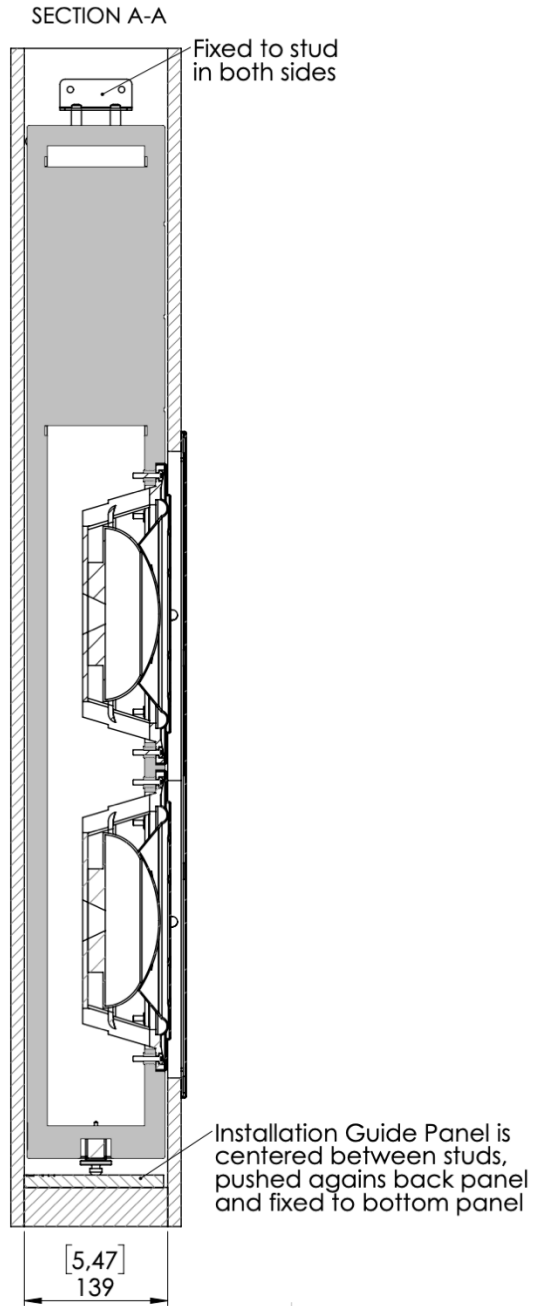
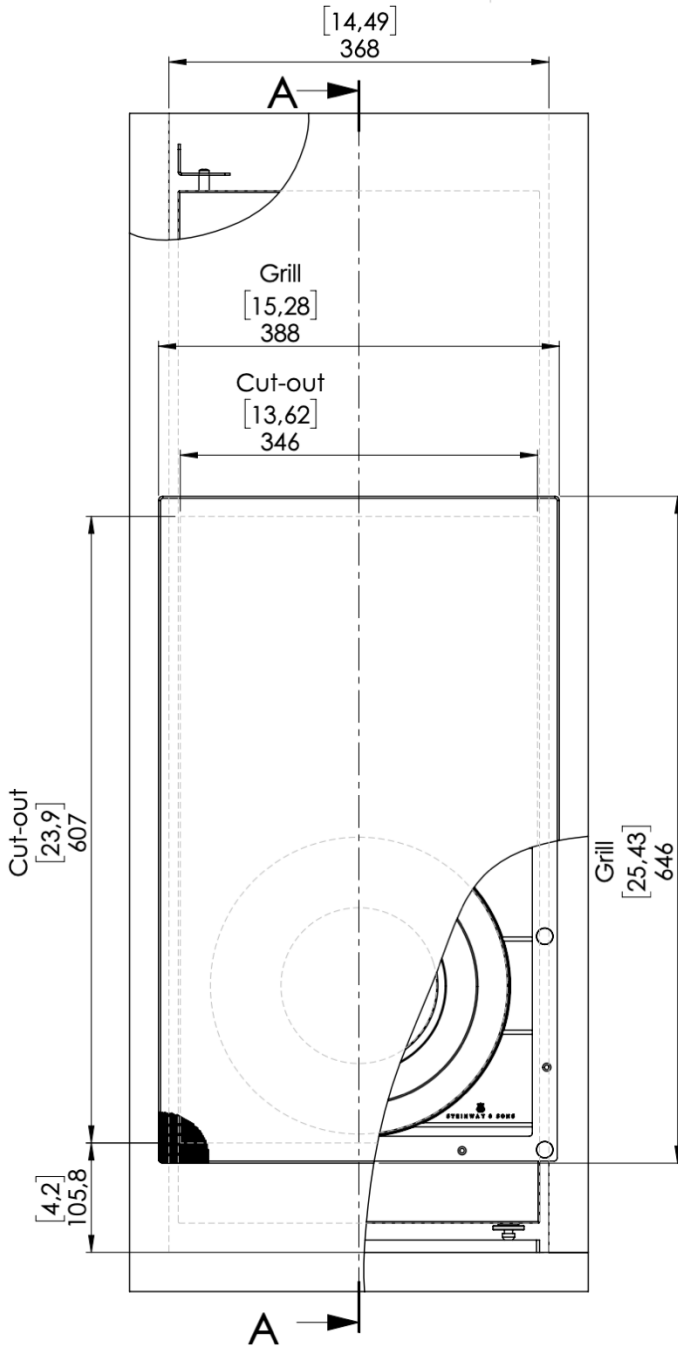
- Chose the acoustically best place for the BWS-210 in the room. The BWS-210 has been specifically developed as an in-wall woofer for custom installations and for following the boundary woofer principle. The acoustically ideal placement is in a room corner, or at least as close as possible to the nearest room boundaries, for example floor, wall, sidewall, ceiling. This leads to an ideal impulse response and the highest power efficiency, for the most tight and powerful bass.
- The high-bandwidth design of the BWS-210 allows a seamless sound integration with the main speakers. The ideal setup is as left and right woofers, complementing the left and right front speakers.
- Make sure the BWS-210 can be placed on solid ground, or on a similarly stable base. Use the height-adjustable spikes and the provided Installation Guide Panel for the most stable stand.
- The BWS-210 enclosure is very shallow and cannot stand on its own. Make sure that the wall construction allows fixing the top of the BWS-210 with the pre-mounted angle brackets to ensure a safe and stable stand. 
- Allow a wall opening large enough to accommodate the BWS-210 and seal all air gaps on all sides with a foam tape or other suitable material. This is important to minimize mechanical resonance as well as to avoid uneven sound performance caused by air gaps, which can act like a bass trap and decrease the sound energy at certain frequencies. 

## Installing the BWS-210

1. Fix the provided Installation Guide Panel on the ground or bottom panel. For a 6-inch wall space, the installation guide panel is centered between the studs and placed against the back wall.
2. Place the BWS-210 near its final position and attach the + and - speaker cables. Make sure no split wires stand out or touch each other.
3. Place the BWS-210 on the Installation Guide Panel and align the spikes, with the woofer facing the wall opening. Level the BWS-210 using the height-adjustable spikes.
4. Fix the enclosure at the upper end to the wall construction using the angle brackets at the top.
5. Seal any air gaps with a foam tape or other suitable material. This minimizes mechanical resonance and prevents uneven sound performance caused by air gaps, which can act like a bass trap and decrease the sound energy at certain frequencies.
6. Attach the mounting frame to the wall around the wall cut-out, using 8 countersunk screws (screw type according to the wall material). The mounting frame is fitted with magnets to hold the front grill.
7. Remove the protection cover from the woofer.
8. Close the wall opening with the provided paintable speaker front grill.







## Technical Specifications

<b>Description:</b>	Passive in-wall woofer
<b>Woofer:</b>	2 x 10-inch, dual aluminum cone, 4-layer voice coil, neodymium magnet
<b>Enclosure:</b>	MDF with internal bracing, 19mm and 16mm
<b>Frequency range:</b>	30 – 200 Hz (-3 dB)
<b>Nominal Impedance:</b>	4 Ohm (2.6 Ohm minimum at 100 Hz)
<b>Power handling:</b>	300 W (IEC long term power handling)
<b>Maximum SPL:</b>	115 dB (60 V / 1 m)
<b>Sensitivity:</b>	88 dB (2.83 V / 1 m)
<b>Connections:</b>	Screw type (for bare wire)
<b>Recommended placement:</b>	In-wall floor-standing, boundary woofer
<b>Dimensions (W x H x D):</b>	350 x 1000 x 133 mm / 13,78 x 39,4 x 5,3 inches
<b>Weight:</b>	21 kg / 46,3 lbs
<b>Standard finishes:</b>	Matte black, with paintable front grill

## Service Information

### Service and Warranty

To obtain warranty service, you must contact the Steinway & Sons distributor of the region or country where you are located. If you have trouble locating an authorized representative, please find contact information at [www.steinwaylyngdorf.com](http://www.steinwaylyngdorf.com)

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In some cases, it may be necessary to return the equipment to SL Audio or an authorized service provider for repair; therefore, it is recommended that you save your original packing materials. SL Audio will not be responsible for any damage due to unauthorized packing or shipment in non-original packing materials. If return is made in authorized packaging, risks are borne by Lyngdorf Audio. Additional charges may occur if new packing materials are required for return shipment.

**Please check the latest version and other languages of this printed manual on our website:**

[www.steinwaylyngdorf.com](http://www.steinwaylyngdorf.com)

