

LYNGDORF AUDIO BW-20

# OWNER'S 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

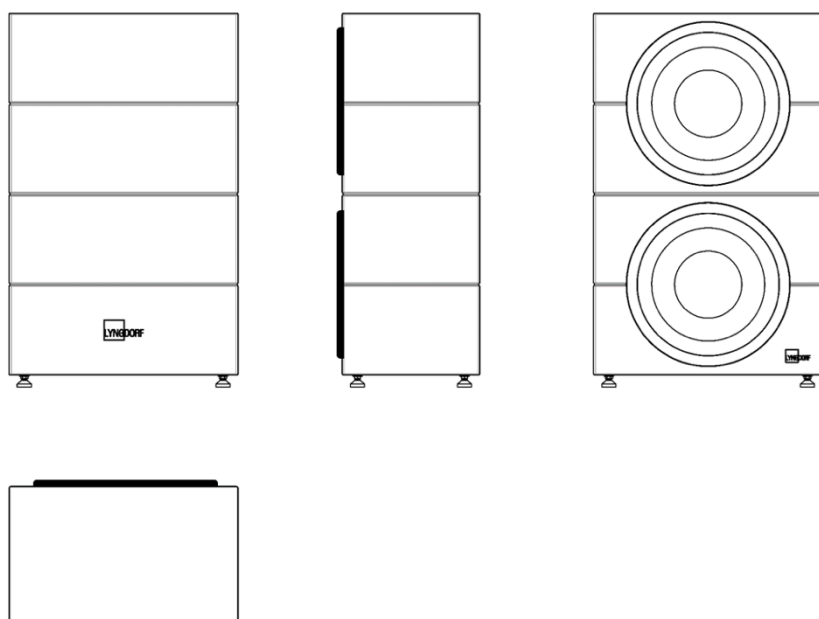
Steinway Lyngdorf products and accessories comply with parts 15 and 68 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; and (2) this device must accept any interference received, including any interference that may cause undesired 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.



## PRE-INSTALLATION

### Unpacking the BW-20

Carefully remove the BW-20 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.



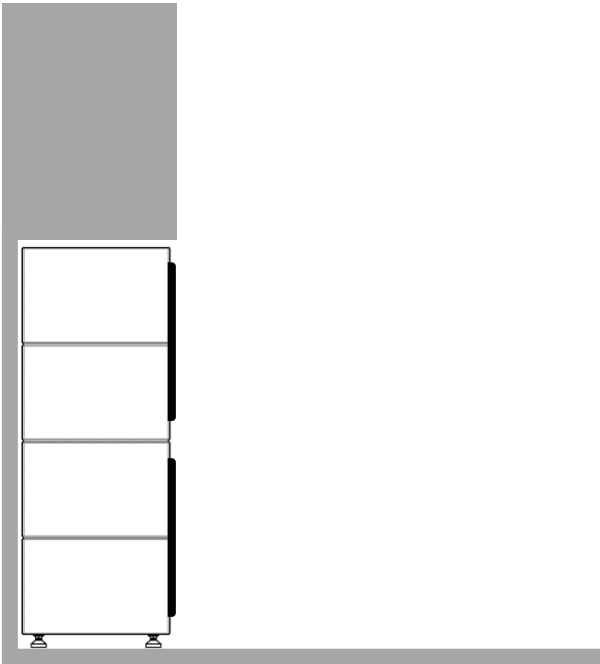
### Inventory

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

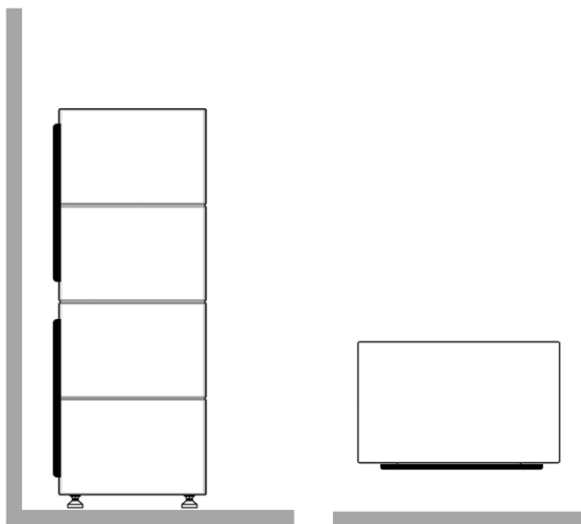
- BW-20
- 4 x mounting feet with spike / floor protector
- 1 x Neutrik speakON cable connector

### Finding the right placement for the BW-20

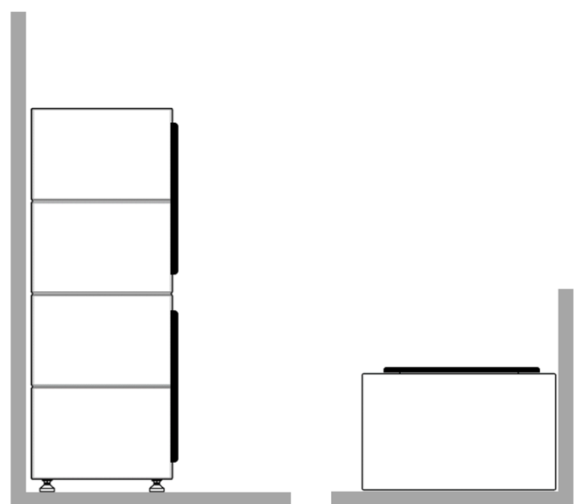
The BW-20 is designed as a Boundary Woofer. For the best performance the recommend placement is as close as possible to boundaries, for example in a room corner or close to the wall. The best placement is inside a wall cavity with the BW-20 woofers front-firing, in-line with the in-wall speakers. If the BW-20 is placed in the room, the best placement is with the woofers back-firing, facing the boundary. The BW-20 can also be placed with the woofers front-firing into the room.



**BW-20 in-wall with woofers front-firing into the room**



**BW-20 with woofers back-firing to the wall**



**BW-20 with woofers front-firing into the room**

### **Required space for the BW-20 in the room**

If the BW-20 is placed back-firing to a wall, leave a minimum of 50 mm / 2 inch to the wall to allow for the woofer excursion and soundwaves to emit.

If the BW-20 is placed front-firing into the room, place it as close as possible to the wall. Leave a minimum of 10 mm / 0.4 inch space to the wall so the BW-20 is not making contact, in order to avoid mechanical resonance. Leave an extra 30 mm / 1.2 inch space in front of the BW-20's own cabinet to allow for the woofer excursion.

### **Required space for the BW-20 in-wall**

If the BW-20 is placed front-firing in a wall opening, the minimum space required including mounting feet is:

	Depth	Height	Width
BW-20	95 mm / 3.7 in	585 mm / 23 in	290 mm / 11.4 in

### **Cables**

Recommended minimum up to 8m / 50ft: AWG 14/2 or 2-lead 2mm<sup>2</sup>

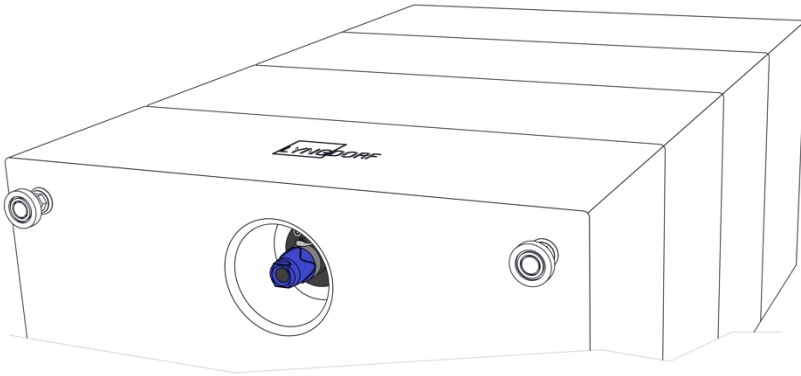
Recommended minimum from 8m / 50ft and up: AWG 11/2 or 2-lead 4mm<sup>2</sup>

Recommended maximum: AWG 10/2 or 2-lead 5mm<sup>2</sup>

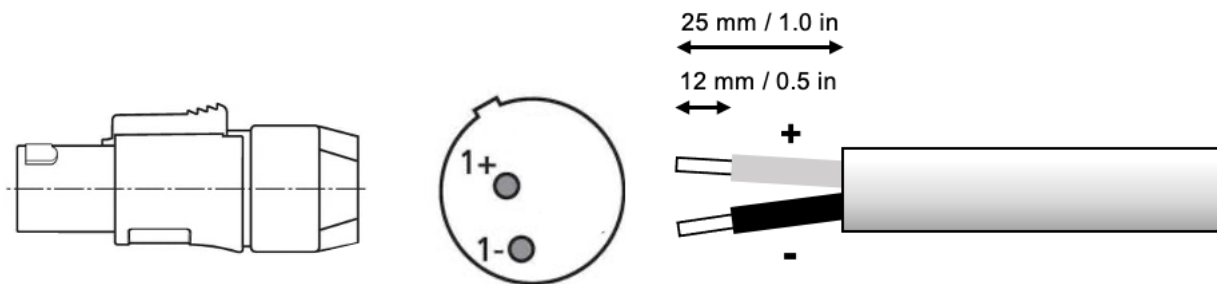
## INSTALLATION

### Connect the Loudspeaker Cable

Remove the supplied Neutrik speakON cable connector inserted at the BW-20 cable port (underside).



Attach and tighten a speaker cable to the speakON cable connector. The Neutrik speakON connector allows a wire diameter between 1.5 - 4 mm<sup>2</sup> / 16 - 12 AWG, to be screwed or soldered. On the cable's amplifier end, any connector type can be used.



Make sure the cable ends are securely tightened and no bare wire is standing out.  
Plug-in and turn the speakON connector back to the BW-20 speakON connector port.

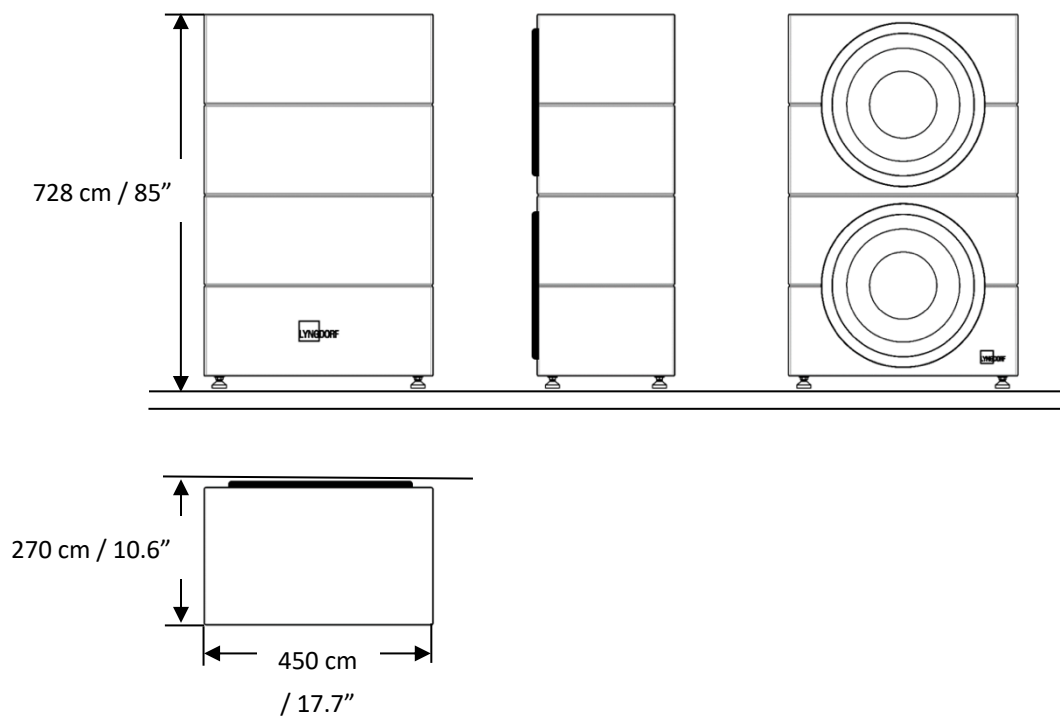
### Place the BW-20

Bring the BW-20 to its upright position in the selected location. Once upright, adjust the four spike feet to level the BW-20 and achieve optimal stability.

### Using the feet of the BW-20

You can either use the attached black floor protectors over the spikes to prevent scratches on the floor, or use the spike tips to make a firm, almost fixed contact to the ground. Be careful with the spike tips to prevent damages or injuries.

### BW-20 MOUNTING DIMENSIONS



Mounting dimensions including spike feet and required woofer excursion.



## TECHNICAL SPECIFICATIONS

### **BW-20**

Description:	Passive boundary woofer, closed
Power handling:	700 W
Nominal Impedance:	4 Ohm
Woofer:	12" with 67 mm voice coil, aluminum cone, vented magnet
Recommended Frequency range:	20 – 500 Hz (depending on EQ)
Connections:	Neutrik speakON
Dimensions (WxHxD):	450 x 710 x 270 mm / 17.7 x 28 x 10.6 inch (Cabinet without spike feet and woofer excursion)
Weight:	35kg / 77 lb
Finish:	Matte black

## SERVICE INFORMATION

To obtain warranty service, you must contact your original dealer or the Steinway Lyngdorf 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 Steinway Lyngdorf or an authorized service provider for repair; therefore, it is recommended that you save your original packing materials. Steinway Lyngdorf 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 Steinway Lyngdorf. Additional charges may occur if new packing materials are required for return shipment.

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

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

