



QUICK START GUIDE

SSW-5

Introduction

Thank you for purchasing a JBL Synthesis SSW-5 powered subwoofer. The SSW-5 is designed, engineered, and manufactured to the industry's highest quality standards, and offers cinema system integrators with a full complement of inputs and controls for easy system integration. Designed to complement any of the JBL Synthesis Custom Loudspeakers (SCL Series), the SSW-5 delivers powerful dynamics and incredibly accurate low frequency sound reproduction for true high-fidelity sound in medium to large rooms.

Please take the time to study this document so that you can obtain the best possible performance from your subwoofer. For more information and other languages, visit <https://www.jblsynthesis.com>.

Should further assistance be required feel free to contact JBL Synthesis technical support at the numbers below.

Inside the US and Canada: +1 888.691.4171
Outside the US and Canada: +44 1707 668 012

Package Contents

Each SSW-5 package contains:

- 1x JBL Synthesis SSW-5 Powered Subwoofer
- 1x Quick-start Guide & Safety Sheet
- 1x Magnetically Attachable Grille
- 4x Carpet Spike Feet
- AC Power Cord(s) - quantity and type vary by region

If you suspect that there has been shipping damage, report it immediately to your dealer. We recommend that you keep the box and packing materials for future use.



S Y N T H E S I S

Placing the Subwoofer

When using subwoofers within the limited confines of a typical home theater room, the reflections, standing waves, and resonant absorbers within the room will create peaks and dips in the bass response that can vary greatly depending on where the listeners are located in the room - a listener seated in one location may hear an overabundance of bass created by a response peak at the location, while another listener only a few feet away may hear far less bass due to a response dip at that location.

The locations of subwoofers within the room (along with the room's dimensions) also have a profound effect on the creation of these bass response peaks and dips. Careful subwoofer placement alone cannot compensate for all bass response peaks and dips throughout a room, but careful subwoofer placement can eliminate or significantly reduce the largest response dips.

It is important to reduce response dips throughout the room as much as possible via proper subwoofer placement because equalization cannot be used to compensate for large response dips. For example, using equalization in an attempt to restore a 13dB response dip requires that the subwoofer amplifier deliver 20 times the power at that frequency. This can quickly overdrive the subwoofer amplifier into clipping, which will significantly degrade audio quality.

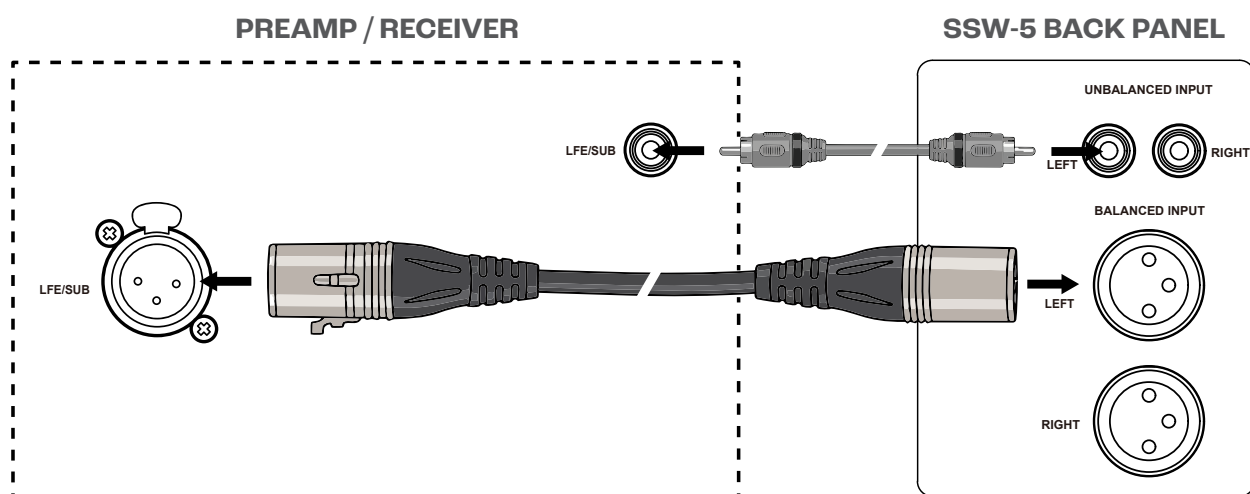
In almost any room, placing the subwoofers in corners will produce the fewest large bass response dips and will also produce the largest bass response peaks.

We strongly recommend that you install multiple subwoofers regardless of the room size. A single subwoofer will result in the least consistent bass performance throughout the room. Using multiple subwoofers can cancel some room modes at the various listening locations, resulting in much more consistent low-frequency sound quality throughout the listening area. It is often impossible to locate a single subwoofer such that large response dips, which cannot be corrected via equalization, are not present. The use of two or more properly placed subwoofers almost always eliminates such response dips.

The goal of proper subwoofer placement is to achieve a smooth, extended bass response. We strongly recommend that you experiment with placement before choosing a final location for your subwoofer.

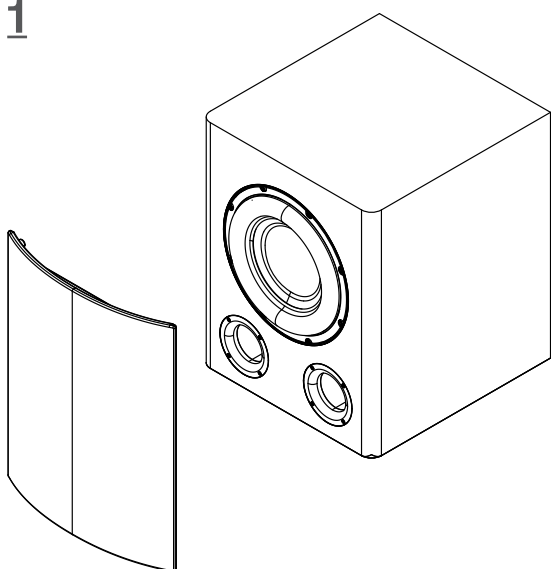
Connecting the Subwoofer

If you are connecting to a surround processor with a low-pass filtered subwoofer output, connect the subwoofer as shown below and set the SSW-5 Low Pass Crossover control knob to the “LFE” position. You can make a balanced (XLR) or unbalanced (RCA) connection to either the subwoofer’s left or right input connector.

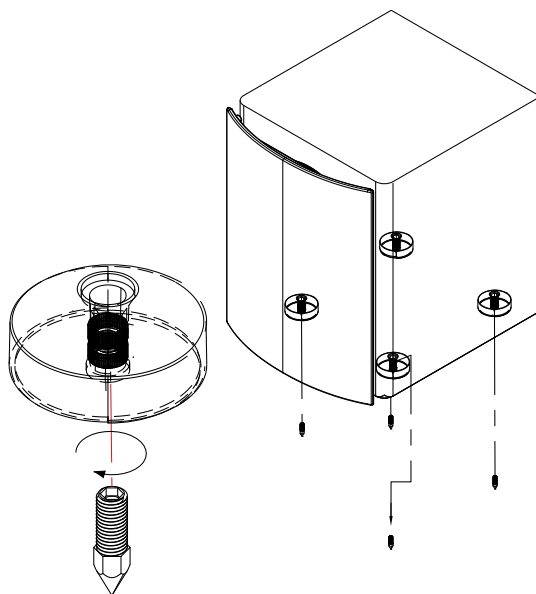


Installation

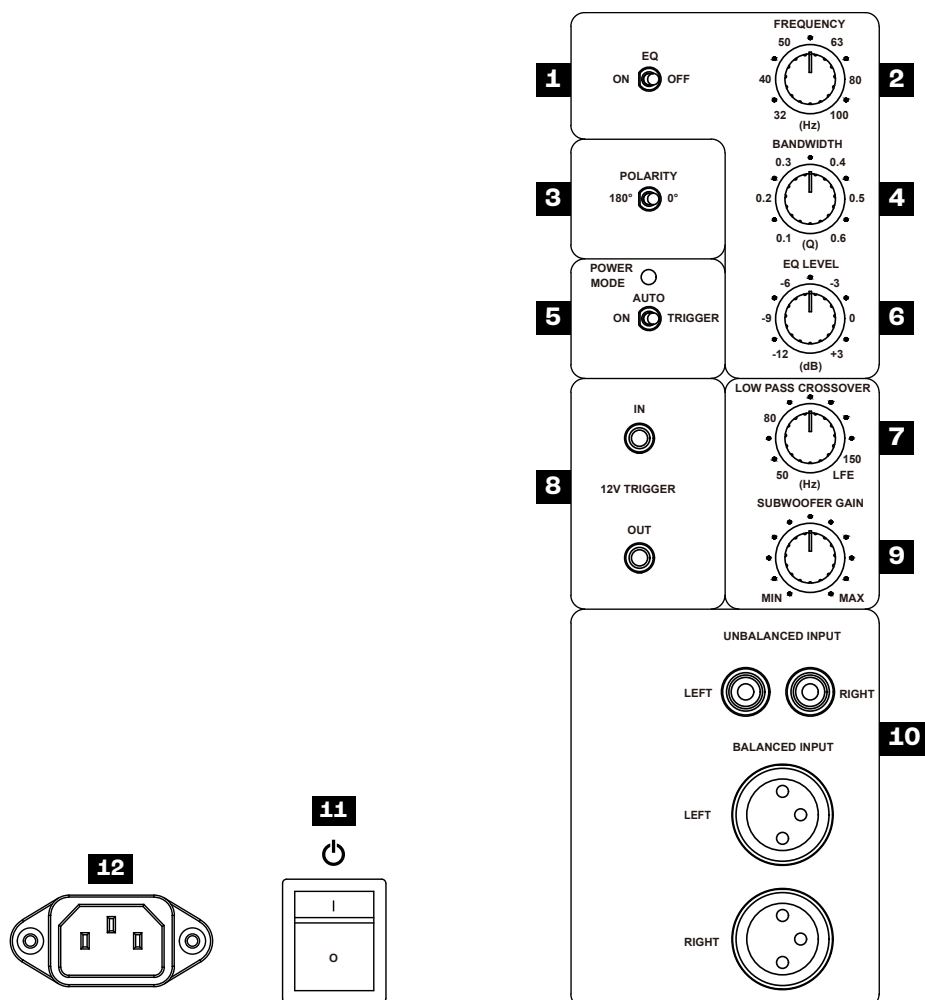
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Subwoofer Rear-Panel Controls and Connections



PARAMETRIC EQUALIZATION (PEQ) CONTROLS (1, 2, 4, 6)

This set of equalization controls adjust for the dominant room mode at your listening position in your specific listening room. The parametric equalizer includes variable controls to adjust Frequency, Bandwidth, and EQ Level of one band of frequencies. To use these controls, you must first set the EQ switch to "ON".

NOTE: Specific measurement equipment is required to properly adjust the Equalization controls. Your authorized JBL dealer can make the appropriate measurements, using suitable equipment to ensure optimal results.

1 EQ ON/Off SWITCH

Enables/Disables the parametric EQ controls (Frequency, Bandwidth, and EQ Level, but not Polarity).

2 EQ FREQUENCY CONTROL

Selects the center frequency of the problem area. The range is from 32HZ to 100Hz.

3 POLARITY SWITCH

This switch determines whether the subwoofer transducer's piston-like action moves in and out in phase with the main speakers. If the subwoofer were to play out of phase with the main speakers, the sound waves from the main speakers could partially cancel out the sound waves from the



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subwoofer, reducing bass performance and sonic impact. This phenomenon depends in part on the placement of all the speakers relative to the listening position and to each other in the room.

4 EQ BANDWIDTH CONTROL

Sets the range of frequencies over which the equalizer will have an effect. The range is from 0.1 octaves to 0.6 octaves; the higher the number the broader the range of frequencies that will be affected.

5 POWER MODE SWITCH & ON / STANDBY LED

When switched to 'Auto' position, the subwoofer stays in Standby mode unless a signal is present. It will automatically turn on when an audio signal is detected, and it will return to Standby mode when no audio signal is detected after approximately 10 minutes.

Setting this switch to 'On' keeps the subwoofer powered until Power Switch is turned 'Off.' Note that this mode may increase the power consumption of the product. In Standby, the SSW-5 power consumption is < 0.5W.

When the Power Switch is in the 'On' position, this LED indicates whether the subwoofer is in the On or Standby state.

- When the LED glows green, the subwoofer is turned On.
- When the LED glows red, the subwoofer is in the Standby mode.

6 EQ LEVEL CONTROL

Allows you to adjust how much boost or cut is applied to the selected frequency by the EQ Frequency Control. This control adjusts from -12dB to a maximum of +3dB.

7 LOW PASS Crossover

This control determines the highest frequency at which the subwoofer reproduces sounds. The higher you set the Crossover control, the higher in frequency the subwoofer will operate and the more its bass will "overlap" that of the speakers. This adjustment helps achieve a smooth transition of bass frequencies between the subwoofer and the speakers for a variety of different rooms and subwoofer locations.

8 12V TRIGGER IN/OUT CONNECTORS

When the subwoofer's Power Mode Switch is set to "Trigger", the subwoofer will automatically turn on when 5V-12V is present at the 12V Trigger "in-connection", and will turn off when the voltage at this connection is removed. Whenever the subwoofer is on, a 12V trigger signal is available at its 12V Trigger Out connector. It is for use with additional SSW-5 subwoofers, or another triggerable device.

9 SUBWOOFER GAIN

Use this control to adjust the subwoofer's volume. Turn the knob clockwise to increase the volume; turn the knob counterclockwise to decrease the volume.

10 INPUT CONNECTORS

Connect these to the outputs of a stereo preamp or connect a surround processor's subwoofer output to either the left or right input. Balanced (XLR) and unbalanced (RCA) connectors are available. The inputs are 0dBV nominal to +12dBV max unbalanced/+18dBV max balanced. The XLR input is pin 2 hot.

11 POWER SWITCH

Set this switch in the 'On' position to turn the subwoofer on. If you will be away from home, or will not be using the subwoofer for an extended period, set this switch in the 'Off' position to conserve energy.

12 POWER CORD CONNECTOR

After you have made and verified the subwoofer's input connection, plug the power cord into an active, unswitched electrical outlet for proper operation of the subwoofer. DO NOT plug the power cord into the accessory outlets found on some audio components.

WARNING: HARMAN International assumes no responsibility for improper installation of hardware or for any personal injuries or product damages resulting from improper installation or a fallen loudspeaker. Professional installation is recommended. Mounting hardware is not included.

产品中有害物质的名称及含有信息表										
部件名称	有害物质									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBBs)	多溴二苯醚 (PBDEs)	邻苯二甲酸二正丁酯 (DBP)	邻苯二甲酸二异丁酯 (DIBP)	邻苯二甲酸丁苄酯 (BBP)	邻苯二甲酸(2-乙基)己酯 (DEHP)
木箱	o	o	o	o	o	o	o	o	o	o
金属件	x	o	o	o	o	o	o	o	o	o
线路板及其组件	x	o	o	o	o	o	o	o	o	o
塑胶件	o	o	o	o	o	o	o	o	o	o
喇叭单元	x	o	o	o	o	o	o	o	o	o

注1: o:表示该有害物质在该部件所有均质材料中的含量均不超出电器电子产品有害物质限制使用国家标准要求。
x:表示该有害物质至少在该部件的某一均质材料中的含量超出电器电子产品有害物质限制使用国家标准要求。

注2: 以上未列出的部件,表明其有害物质含量均不超出电器电子产品有害物质限制使用国家标准要求。



在中华人民共和国境内销售的电子电气产品上印有“环保使用期”(EPuP)符号。
圆圈中的数字代表产品的正常环保使用年限。



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Atenção: conforme lei brasileira nº 11.291, a exposição prolongada a ruídos superiores a 85dB pode causar danos ao sistema auditivo.

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