SVS SOUND REVOLUTION

PB-2000 Pro

OWNER'S MANUAL

SVS SOUND REVOLUTION

Congratulations on bringing home one of the finest subwoofers ever made!

The SVS PB-2000 Pro Subwoofer embodies all the technology and engineering advancements made since we developed our first subwoofer nearly two decades ago. You can feel proud knowing your SVS PB-2000 Pro Subwoofer was masterfully engineered to deliver the deepest, most powerful, accurate and detailed bass experience possible. Between the new and unshakable 12-inch 2000 Pro Series driver, effortlessly powerful Sledge STA-550D amplifier, industry-first smartphone DSP and subwoofer control app and other breakthroughs, the PB-2000 Pro represents the finest subwoofer performance you can get for anything close to the price and will provide many years of jaw-dropping low frequency performance.

We know you are eager to get your new subwoofer set up, so in this manual, you will find instructions on placement, connection, tuning and more. Our SVS Sound Experts are also available seven days a week to take the guess work out of setting up your new PB-2000 Pro subwoofer. They are equipped to handle even the most complicated questions about placement, calibration, AV receiver settings and more.

One of the most useful features of your PB-2000 Pro subwoofer is the Free SVS App, which can be used to fine tune performance and create custom presets from the comfort of your favorite seat and the convenience of your mobile device. Just visit the Apple® App® Store, Google Play™ Store or Amazon Appstore and search “SVS App” to get started.

If you have any questions about your SVS PB-2000 Pro Subwoofer, please contact us directly.

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Happy Listening!

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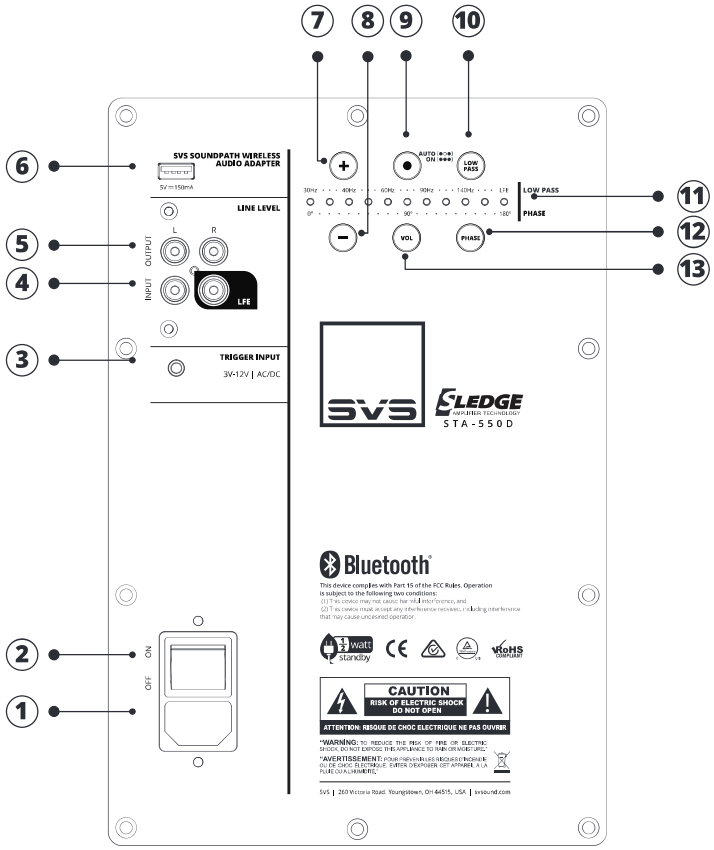
The SVS PB-2000 Pro is designed for easy set-up and integration in both multi-channel home theater and two-channel (stereo) systems. It is best to familiarize yourself with the subwoofer connections and the rear panel of your AV receiver or preamplifier before setting your subwoofer up. **Be sure your PB-2000 Pro is switched to Off before plugging it in or connecting to your AV receiver.** It's also best to use cables with secure connections for optimal bass performance.

The convenient SVS mobile app for both Apple® iOS® and Google Android™ allows you to make adjustments for room layout, personal preferences, movies vs. music, and more. It's the best way to fine tune your subwoofer for perfect performance from the comfort of your favorite seat.

In addition to the SVS mobile app you can control the primary features of the amp using the all new Intelligent Control Interface (ICI) back-lit user interface on the amplifier plate.

A full explanation of all the advanced subwoofer DSP controls is available on pages 17-19 in this manual, as well as in the SVS subwoofer app tutorial. The following sections cover basic connections and control settings when integrating the PB-2000 Pro into a surround sound or two channel system.

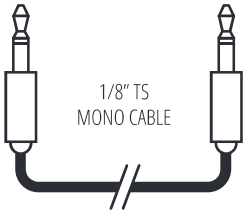
BACK PANEL FEATURES



1. **AC Power Cord Receptacle**

2. **On/Off Switch -** Turns Subwoofer On/Off

3. **3V-12V Trigger Input -** This feature will automatically turn the subwoofer on/off when a signal is sent to the trigger input from another component in the system (typically the pre/pro or AV receiver). The other component in the system must be equipped with a trigger output feature and requires a TS 1/8" mono cable (pictured below).



4. **Unbalanced (RCA) Line Level Inputs**

5. **Unbalanced (RCA) Line Level Outputs**

6. **USB Type A Port -** Used for Firmware updates and powering a USB device like the SVS Sound-Path Wireless Audio Adapter.

7. **[+] -** Push repeatedly or long press to increase volume, raise the low pass frequency cut-off or to set to LFE, or to increase Phase degree.

8. **[–] -** Push repeatedly or long press to decrease volume, lower the low pass frequency cut-off, or reduce phase degree.

9. **Auto/On -** Press this button to select "ON" which keeps the subwoofer on continuously so it will not go into Standby mode. The three center LEDs will be illuminated in "On" mode. Press again for "Auto" and only the outer two of the above LEDs will be illuminated. The subwoofer will go into standby after 10 minutes if there is no audio signal.

10. **LOW PASS -** Press this button to adjust the Low Pass Filter frequency to ensure a smooth sonic transition and flat frequency response between the speakers and subwoofer. The right most LED on the status bar indicates the subwoofer is in LFE mode.

11. **LED Bar -** Displays the level for Volume, Low Pass Filter Frequency, and Phase

12. **PHASE -** Press this button to adjust the phase.

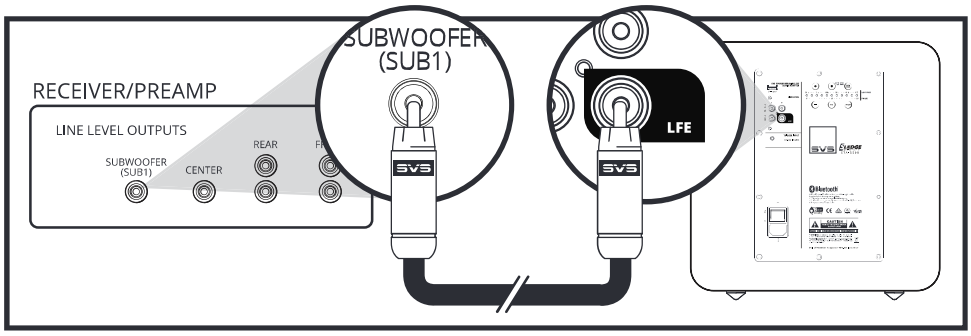
13. **VOL -** Press this button to adjust the volume.

AC Power Connection

Connect the subwoofer power cord to the subwoofer amplifier and directly into an AC outlet. Convenience outlets located on the rear panel of some AV receivers or pre/pros are NOT recommended for your PB-2000 Pro as these outlets are not meant for high power devices.

Line Level Connection – Single LFE Channel

The most common way to connect your PB-2000 Pro is with a single RCA interconnect cable going from the LFE or SUB1 Output on your AV receiver or preamplifier to the LFE Input on your PB-2000 Pro. This allows your processor to perform the upstream bass management and send the subwoofer a pre-filtered mono signal.

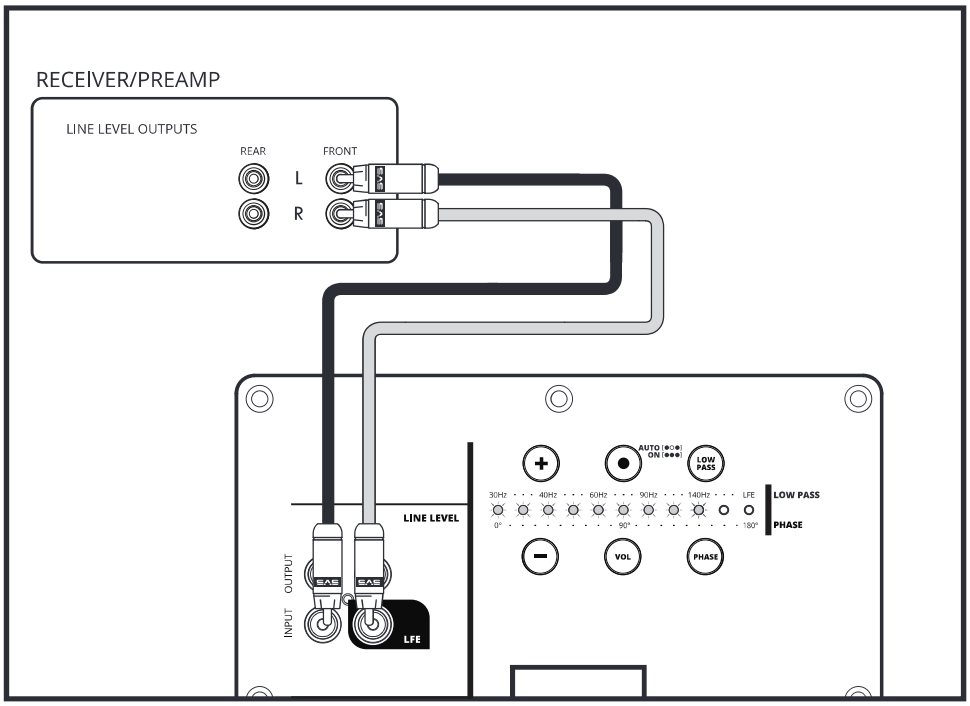


Line Level Connection – Stereo Receiver or Preamplifier Left/Right Channels

Both Left and Right inputs on your PB-2000 Pro can be used in a two-channel stereo application with a stereo preamplifier that has Left and Right line level outputs.

Connect the left and right outputs of your preamplifier to the left and right line level inputs of the PB-2000 Pro using RCA interconnects.

Line Level Connection – Stereo Receiver or Preamplifier Left/Right Channels (cont'd)



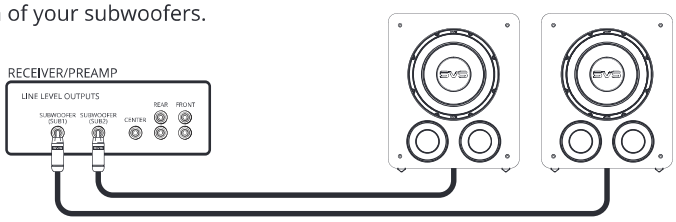
Enable and adjust the on-board low pass filter of the PB-2000 Pro for a smooth blend with the main speakers.

NOTE: For additional guidance on speaker/subwoofer crossover settings, please consult our SVS Sound Experts or our Merlin subwoofer matching tool at ***www.svsound.com/merlin.***

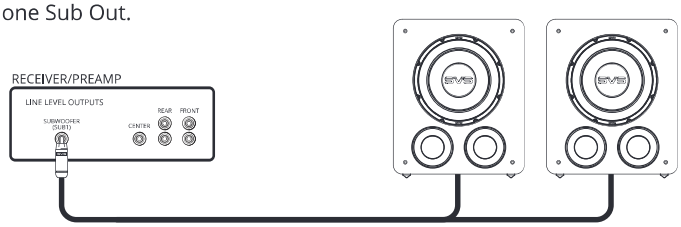
Connecting Multiple Subwoofers or "Going Dual"

Running two or more subwoofers has many acoustic benefits such as: improved frequency response throughout the listening area, fewer peaks and nulls, increased output and decreased bass localization. The RCA Outputs provide an easy way to integrate multiple PB-2000 Pros or other subwoofers into your audio system.

Many AV Receivers and Surround Processors have more than one subwoofer output. As described previously, you can run a single connection from each subwoofer output to each of your subwoofers.

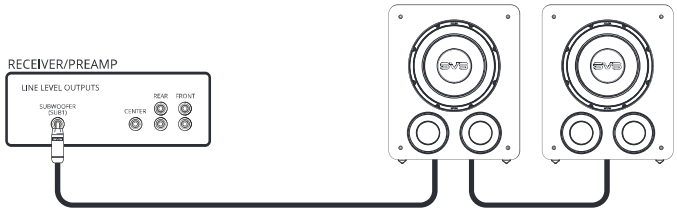


If you have more subwoofers than Sub Outputs from your AV Receiver, an easy solution is to use an RCA splitter or RCA Y-adapter to divide the subwoofer output. This is the most commonly recommended way to connect multiple subwoofers when there is only one Sub Out.



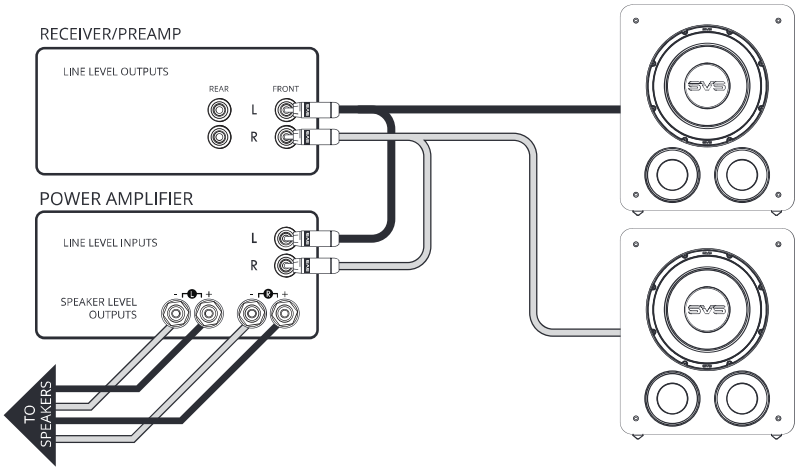
Another option is to use the Left and Right RCA outputs on the PB-2000 Pro to Daisy Chain additional subwoofers. It's important to use the matching output and input terminals. For example, if you are using the RCA inputs, be sure to use the RCA outputs to daisy chain to the next subwoofer.

NOTE: While the settings of each subwoofer should be similar, you will probably find that each sub will need to be calibrated for optimal performance because of its unique room placement. Regardless of how you use your subwoofer, experimentation can often result in better sound. Don't be afraid to try different settings, you can always return the controls to their defaults.



Connecting Multiple Subwoofers or "Going Dual" *(cont'd)*

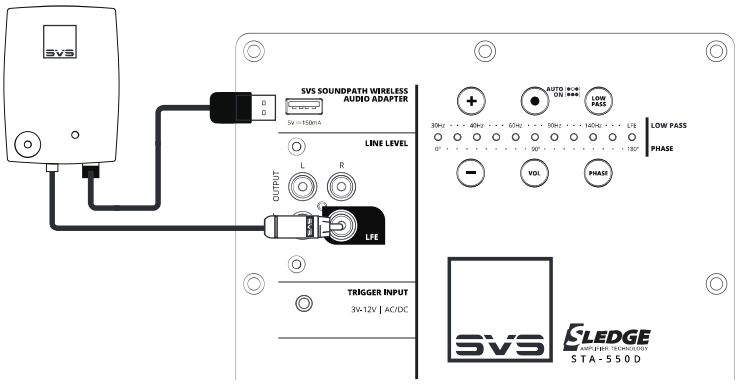
In a 2-channel system you can set up Stereo Subwoofers, where one is used for the Left Channel and one for the Right Channel. Typically, the subwoofers will be symmetrically placed according to your speakers. And be sure to maintain all the correct Left and Right output and input connections to ensure optimum performance.



Going Wireless

If you want to add wireless connectivity via the SVS SoundPath Wireless Adapter (sold separately), your PB-2000 Pro conveniently includes a USB input on the amplifier plate to easily power the Receiver. Set-up is simple and quick and separate instructions are included with the adapter.

NOTE: The PB-2000 Pro amplifier should be turned off when making all connections.



Control Settings for AV Receiver & Processor

If using your PB-2000 Pro subwoofer with an AV Receiver or preamp with bass management, it is recommended to leave all control settings in the default position, aside from the volume, which allows you to adjust the level of output based on your personal preferences.

NOTE: Always re-run AV Receiver auto-set-up after moving the subwoofer to a different location to ensure the acoustic distance and calibration levels are set correctly.

NOTE: If you want to run the subwoofer louder than the initial auto-set-up level, adjust the subwoofer channel level upward in the AV receiver menu until you get the experience and performance you want. An increase of 2-4 dB louder than initial set-up level is common for many customers. Volume can be controlled from your mobile device via the Free SVS App or using the buttons on the rear panel interface.

Please consult the Advanced Subwoofer Controls section of this owner's manual or contact our SVS Sound Experts if you have questions about any of the control settings.

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Control Settings for Stereo Receiver or Pre-Amplifier

Most Stereo Receivers and Pre-Amplifiers do not have bass management. Instead you will use the Left and Right full-range outputs and make adjustments through the DSP amplifier on the subwoofer.

Be sure to connect both Left and Right outputs to the Left and Right inputs on the subwoofer.

Set the Low Pass Filter to "On" and adjust the Crossover Frequency and Slope to achieve a smooth blend and transition with the main speakers.

Once blended, adjust the Subwoofer volume to match the volume level of your main speakers.

For finer tuning, the **SVS Subwoofer Matching Tool** on our website provides the recommended low pass filter frequency and slope setting for most loudspeakers on the market. Just choose your brand and model of speakers from the menus and Merlin does the rest. It's available 24/7, 365 at **https://www.svsound.com/pages/merlin**. Our SVS Sound Experts are also standing by to help with any connection or control questions you have about any of the controls or settings.

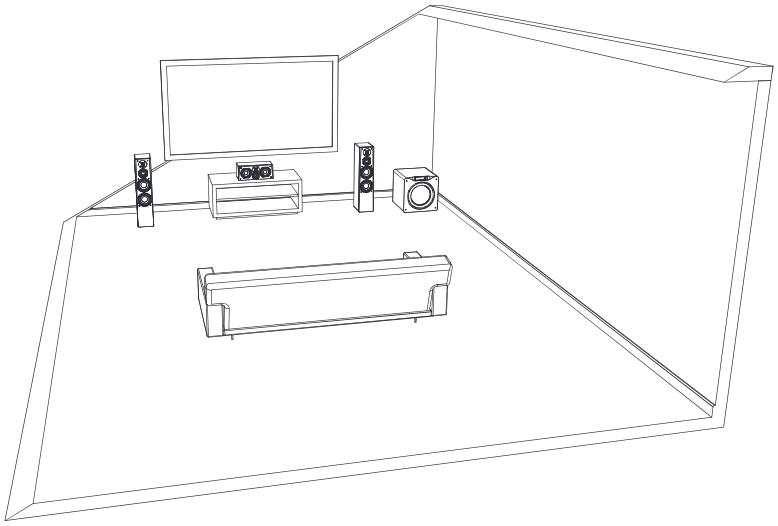
NOTE: Volume and low pass filter can be controlled from your mobile device via the Free SVS App, or using the buttons on the rear panel interface.

Placement of subwoofers is a process driven by competing variables that differ in every home. Décor, floor space, furniture, speaker placement, seating location, and of course, sound quality all factor into the decision of where a subwoofer should be placed. If you have flexibility, there's an artistry to subwoofer placement that can be aided by understanding some basic acoustic principles and set-up techniques.

If you are limited to a single subwoofer location, it's best to find the ideal listening location in the room. You'll notice as you move through the room, bass response will vary significantly. This is due to the complex pattern of standing sound waves in the room. Sometimes simply moving a few feet in any given direction can improve the balance and accuracy dramatically. Once you find the 'subwoofer sweet spot' in the room – reserve that seat for yourself!

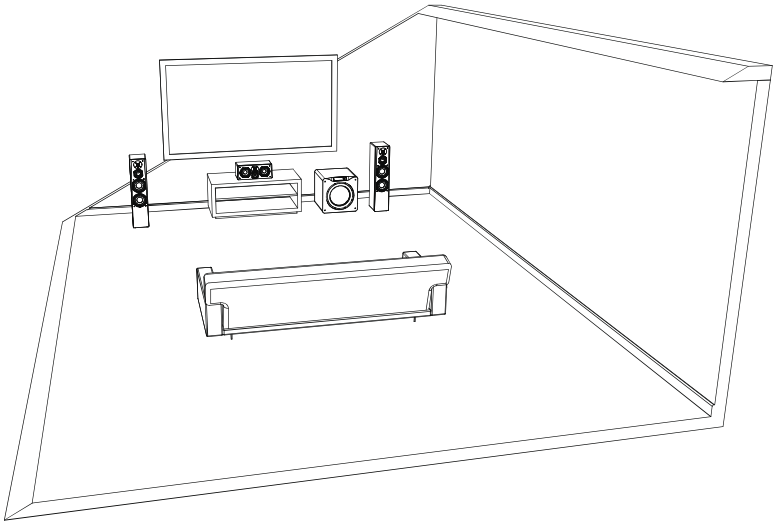
Corner Placement

Corner placement of a subwoofer reduces the potential to encounter nulls, which are acoustic cancellation points or 'dead spots' in the room. While this can often make for hugely impactful bass, it can sometimes result in a "boomy" sound depending on your listening position. If you experience this, you can use the tuning controls to blend your PB-2000 Pro more smoothly with your speakers or try pulling it further away from the walls to smooth out the bass response.



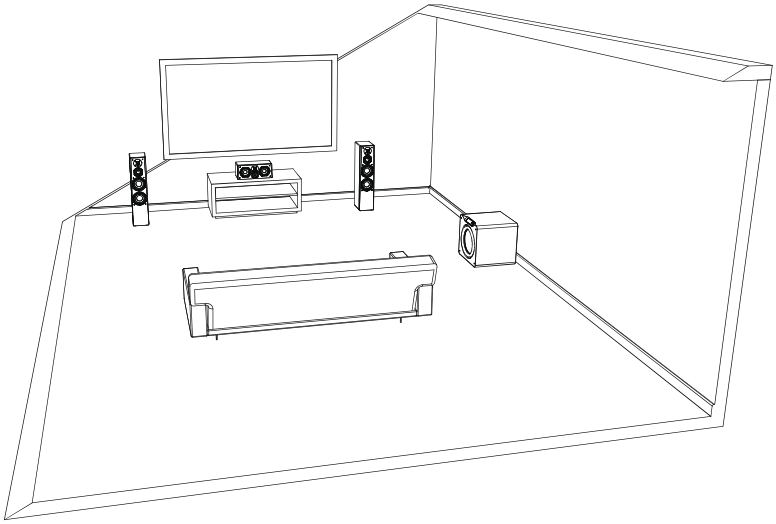
Front Placement

Front of the room placement in between or just to the side of the front channel speakers is another common choice. Front of the room placement usually results in the best blending with the main speakers and center channel and minimizes localization effects.



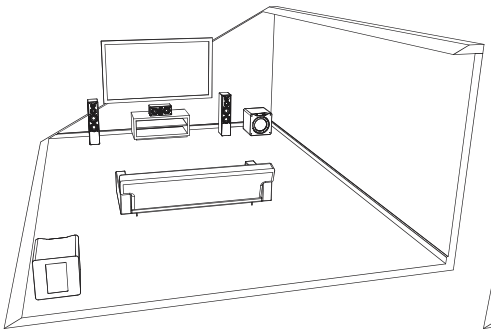
Side Wall Placement

Side wall placement is less frequently used but can be an effective subwoofer location for excellent accuracy and output.

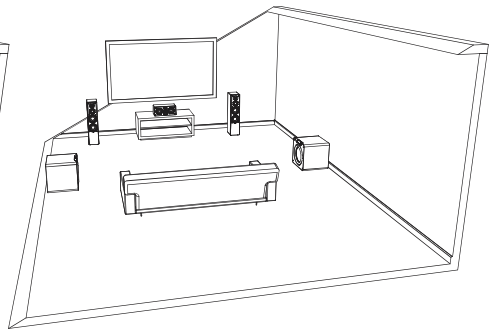


Dual Subwoofer Placement

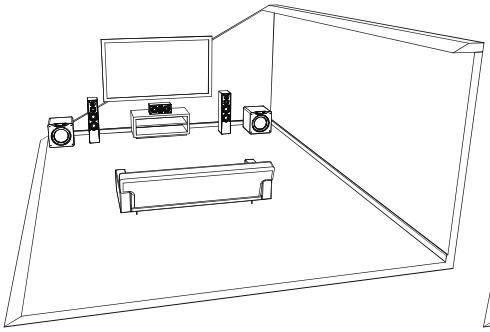
Based on our own extensive testing, and research done by the professional audio community, we recommend the following placement options for dual subwoofers:



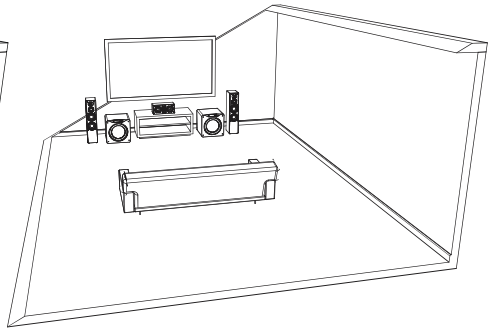
- Opposite diagonal front/rear corners.



- At the mid-points of the side walls.



- Front stage in the corners.



- Front stage flanking the center channel to the inside of the main speakers.

While the first two options are proven performers with typically excellent results, they are often difficult to implement in a living/family room environment. All rooms are different, so we recommend staying flexible and trying all possible placement options for the best results.