



Daedalus



OWNER'S MANUAL

Congratulations on acquiring one of the best subwoofers out there!

The Aperion Audio Daedalus subwoofers represent our latest generation of entry-level powered subwoofers. This series includes four models: DS8, DS10, DS12, and DS15, designed to fit a variety of room sizes. You can take pride in knowing that your Aperion Audio Daedalus subwoofer is engineered to deliver deep, powerful, accurate, and detailed bass performance. With a rugged Daedalus composite paper cone driver, powerful Class D amplifiers, and other innovative technologies, the Daedalus series provides exceptional performance at an approachable price and promises years of outstanding low-frequency enjoyment.

We understand you're eager to install your new subwoofer. This manual provides detailed instructions on placement, connection, tuning, and more. Our Aperion Audio sound experts are available five days a week to help you set up your new Daedalus powered subwoofer, assisting with everything from placement and calibration to AV receiver setup.

If you have any questions about your Aperion Audio Daedalus subwoofer, please feel free to contact us directly.

Web: www.aperionaudio.com

Email: customerservice@aperionaudio.com

Tel: 503-598-8815

Happy listening!

The Aperion Audio Daedalus subwoofers are intricately engineered for effortless setup and harmonious integration into multi-channel home theater systems and two-channel (stereo) configurations.

Before starting the setup process, thoroughly examine the subwoofer's connection options and the rear panel layout of your AV receiver or preamp.

Power off your Aperion Audio Daedalus subwoofer before plugging it into an outlet or connecting it to your AV receiver to ensure safety and prevent potential damage.

Furthermore, utilizing high-quality cables that fit securely will significantly enhance your overall bass performance, allowing you to experience rich, deep sounds that elevate your audio experience to new heights.

BACK PANEL FEATURES



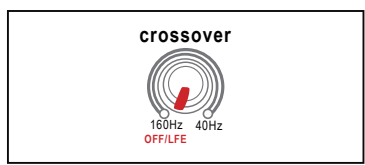
1. **AC Power Cord Receptacle** -A US standard power cord has a 3-pin plug with live, neutral, and ground wires. The ground wire enhances safety by carrying leakage current to the ground and reducing the risk of electric shock. With a screwdriver, check the fuse located under the power socket. Then, pry open the cover at the bottom to inspect or replace it.
2. **On/Off Switch** - Turns Subwoofer On/Off
3. **Auto & Standby**- When set to Auto, the subwoofer powers on with an input signal and enters standby after 30 minutes of inactivity. In Always On mode, the subwoofer stays powered regardless of input.
4. **Phase** - The phase adjustment knob optimizes the phase relationship between the subwoofer and main speakers, improving low-frequency response and system integration while accommodating different speaker positions.
5. **Crossover 40-160 Hz & OFF/LFE** - The crossover adjustment knob lets you control which frequencies the subwoofer processes, ensuring better synergy with the main speaker and reducing sound overlap. Setting the crossover point to 80Hz means the subwoofer handles sounds below 80Hz while the main speaker handles those above. If your AV receiver has a separate LFE output, set the crossover knob to Off. This allows the RCA input to act like the LFE input, managing low-frequency signals without using a subwoofer crossover, ideal for home theaters.
6. **Volume** - Adjust the volume.
7. **Unbalanced (RCA) line level input**
8. **Unbalanced (RCA) line level output**
9. **Balanced (XLR) line level input**
10. **Balanced (XLR) line level output**
11. **LED** - Green light for power on, red light for standby
12. **Voltage Switch** - Manually adjust the voltage of 110-220v

AC Power Connection

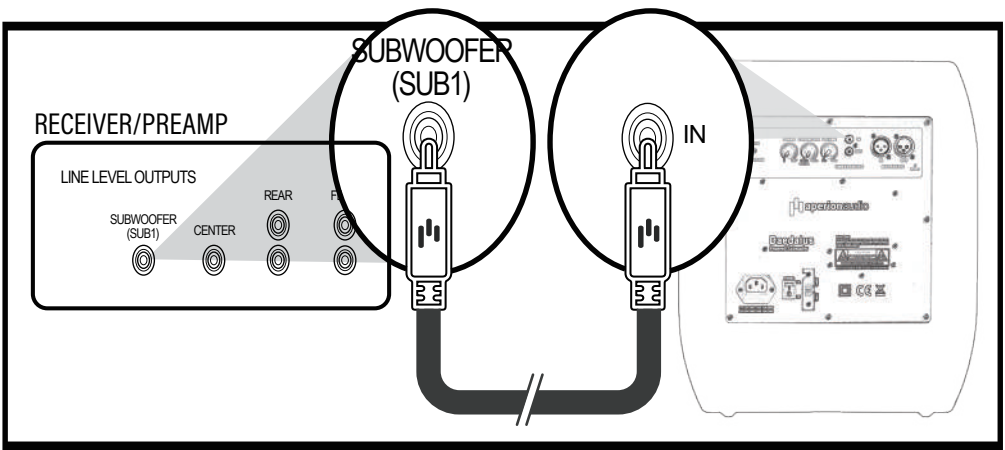
Plug the subwoofer's power cable into the amplifier and insert it directly into an AC outlet. **DO NOT** use the convenience outlets on the back panel of AV receivers or preamps for your Daedalus subwoofers since these outlets are not intended for high-power devices.

Line Level Connection – LFE

The most common way to connect your subwoofer 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 Daedalus subwoofers. This allows your processor to perform the upstream bass management and send the subwoofer a pre-filtered mono signal.



PLEASE NOTE that you need to turn the CROSSOVER knob to the OFF position. The Unbalanced (RCA) line level input or Balanced (XLR) line level input will be the LFE Input.

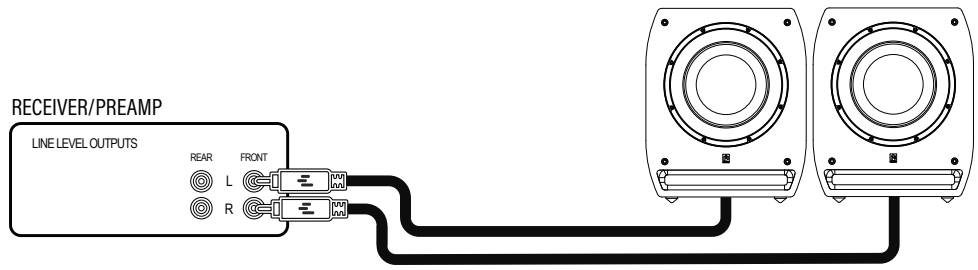


Line Level Connection – Crossover 40-160 Hz

The crossover adjustment knob lets you control the range of frequencies that the subwoofer processes. This helps it work well with the main speaker and avoids overlap or loss of sound. The sound can become unclear if the subwoofer and the main speaker simultaneously play the same frequencies. By adjusting the crossover point, you can keep frequencies from overlapping, which makes the sound clearer. For example, if you set the crossover point to 80Hz, the subwoofer will handle sounds below 80Hz, and the main speaker will handle sounds above 80Hz.

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

We recommend using two Daedalus subwoofers to complement your stereo high-fidelity system. Mixing the low-frequency signals from the left and right channels into a single subwoofer can create an unpleasant sound. By using two subwoofers, each can independently process the signals from the left and right channels. This setup will result in a much more pleasing auditory experience.



Connecting Multiple Subwoofers: The Benefits of Going Dual

Using two or more subwoofers provides various acoustic benefits, such as improved frequency response throughout the listening area, reduced peaks and nulls, increased output, and diminished bass localization. The RCA/XLR outputs make adding multiple Daedalus subwoofers or different subwoofers into your audio system easy.

Many AV receivers and surround processors come equipped with multiple subwoofer outputs. As previously mentioned, you can connect each subwoofer output to separate subwoofers with a single connection.

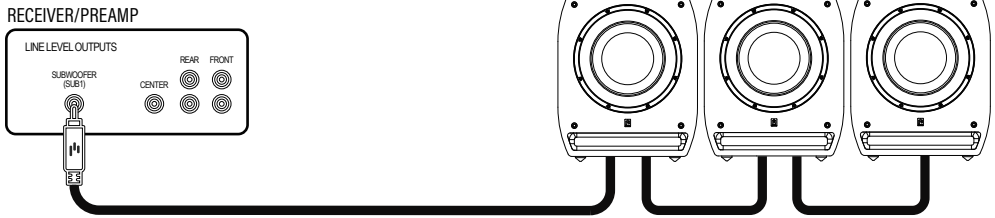


If your AV receiver has more subwoofers than sub-outputs, dividing the subwoofer output using an RCA splitter or RCA Y-adapter is a simple solution for connecting multiple subwoofers with only one sub-out.

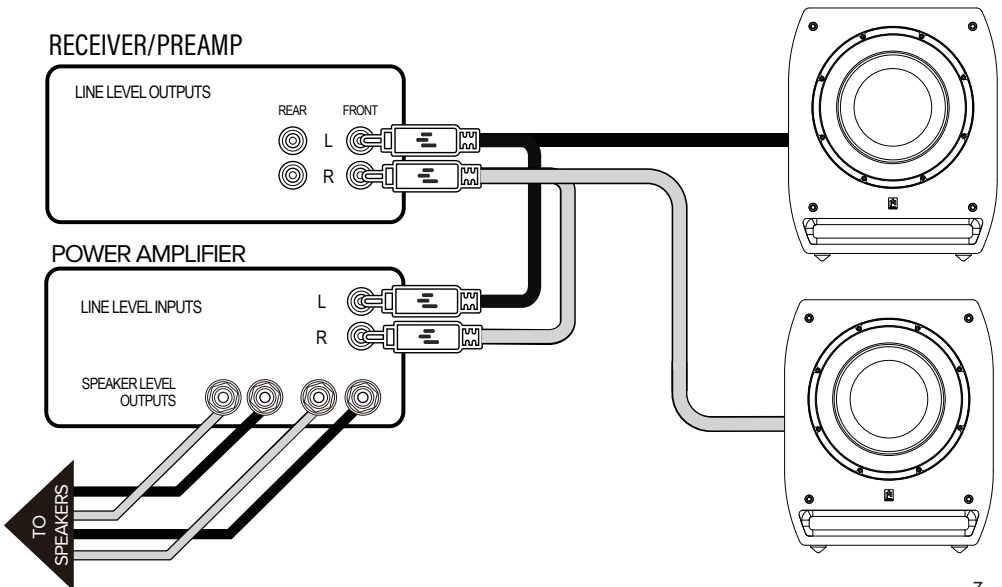


Another option is to connect additional subwoofers using the RCA or XLR output on the Daedalus subwoofer. Make sure the output and input terminals match. For example, if you use RCA inputs, connect to the next subwoofer using RCA outputs. You can connect multiple subwoofers this way.

While the settings on each subwoofer should be similar, you may need to adjust them for the best sound due to their different locations in the room. Experimenting with your setup can often lead to better sound quality.



In a 2-channel audio system, you can set up stereo subwoofers, with one subwoofer designated for the left channel and the other for the right channel. Typically, the subwoofers should be placed symmetrically about your speakers. Make sure to maintain the correct left and right output and input connections to ensure optimal performance.



Settings for AV Receiver & Processor

When using your Daedalus subwoofer with an AV receiver or preamp that has bass management, it is recommended that you leave all control settings at their default positions except for the volume. This allows you to adjust the output level based on your personal preferences.

Note: Always re-run the auto-setup of your AV receiver after moving the subwoofer to a different location. This ensures that the acoustic distance and calibration levels are correctly set.

Note: If you wish to increase the subwoofer's volume beyond the initial auto-setup level, you can adjust the subwoofer channel level upward in the AV receiver menu until you achieve the desired experience and performance. Many customers find that an increase of 2-4 dB above the initial setup level is common. You can control the volume using the knob located on the rear panel.

If you have any questions about the settings, please get in touch with Aperion Sound Experts.

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Email: customerservice@aperionaudio.com

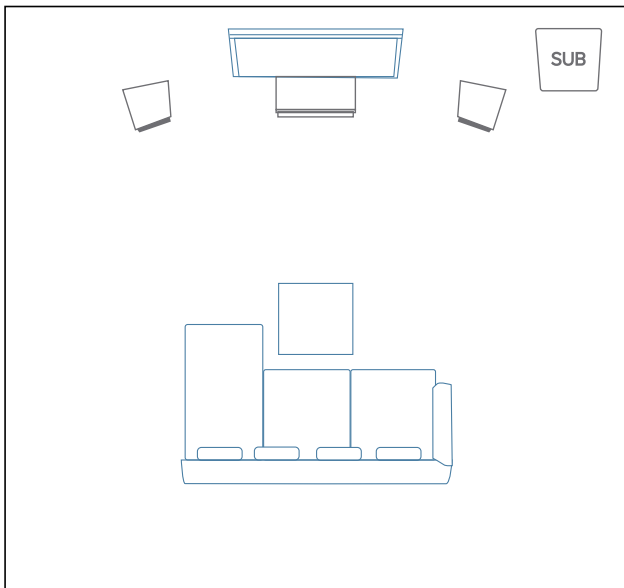
Tel: 503-598-8815

The placement of subwoofers depends on various factors that can be different in each home. Factors such as room decor, available floor space, furniture, speaker location, seating area, and sound quality all influence the optimal placement of a subwoofer. If you have some flexibility, you can use basic acoustic principles and setup techniques to improve your subwoofer's placement.

If you must use just one spot for the subwoofer, start by finding the best listening position in the room. As you move around, you will notice that the bass sounds different in various places. This change occurs due to the complex patterns of sound waves. Sometimes, shifting just a few feet can make a big difference in sound balance and quality. Once you find the "subwoofer sweet spot," be sure to claim that seat!

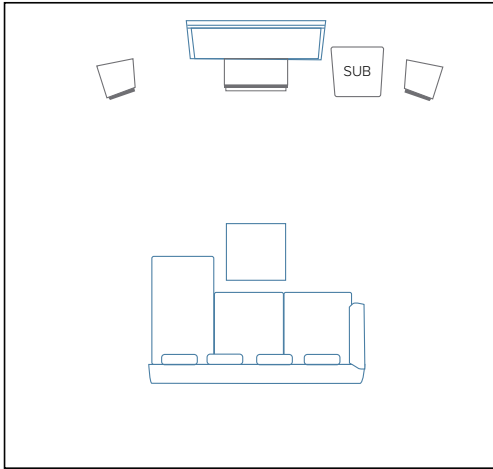
Corner Placement

Placing a subwoofer in the corner of a room can help minimize the occurrence of nulls, which are areas of acoustic cancellation or "dead spots." This positioning often yields powerful bass, but it can occasionally result in a "boomy" sound, depending on your listening position. If you find that the bass is too boomy, try moving the subwoofer further away from the walls to achieve a smoother bass response.



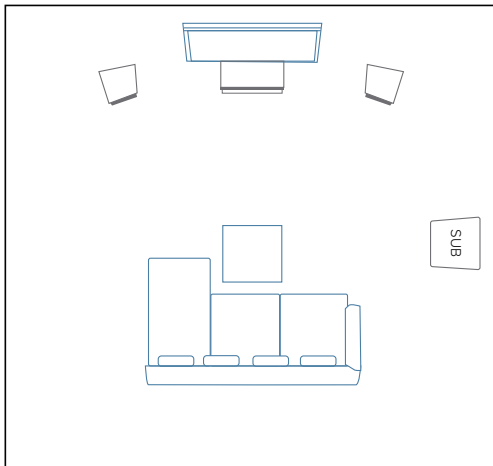
Front Placement

Positioning at the front of the room, either in the middle or slightly to the side of the front speakers, is a frequently chosen option. This front placement typically leads to optimal integration with the primary speakers and center channel while reducing localization issues.



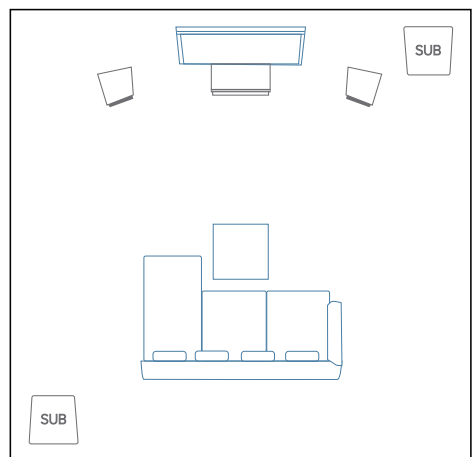
Side Wall Placement

Side wall placement is less commonly used, but it can be an effective location for subwoofers, providing excellent accuracy and output.

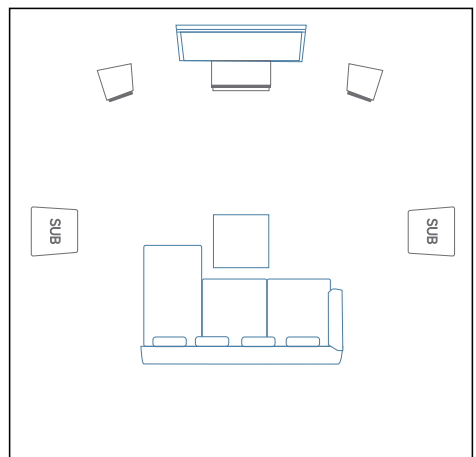


Dual Subwoofer Placement

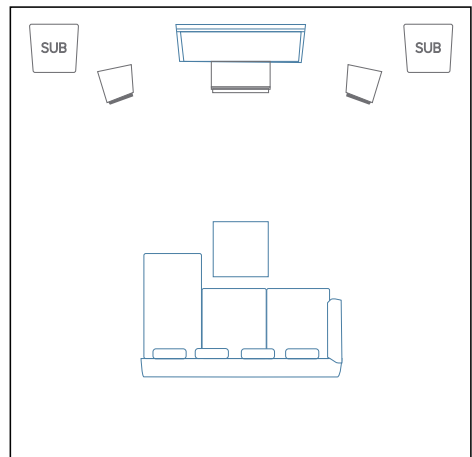
According to our comprehensive evaluations and studies conducted by the professional audio community, we suggest the following placement alternatives for dual subwoofers:



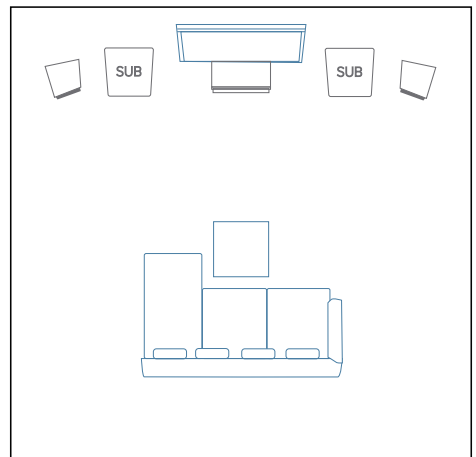
Opposite diagonal corners at the front and rear



At the midpoints of the side walls



Front stage in the corners



The front stage is set up on either side of the main speakers, next to the center channel

The first two options give great results but can be hard to use in a living or family room. Since every room is different, we suggest trying different placement options to find what works best.

Technical Specifications

Daedalus **DS8**

Amplification type: 8" Class D Power Subwoofer

Frequency Response: 24Hz - 195Hz

Power: 250 W RMS/500W Peak

Impdance: 4 ohms

Standby: $\leq 0.5W$

Input & Output: RCA or XLR Input & Output

Voltage: 110-240 V

Phase: 0-180°

Crossover frequency: 40-160 Hz

Woofers: 8" High-Excursion Lightweight treated Paper Composite cone

Enclosure Type: Front Ported and Internally Braced

Product Weight: 27 lbs /12.2 Kg

Product Dimensions: 13" x 11" x 12.2"/330 x 280 x 310 mm (HxWxD)
Without Grille Attached

Shipping Weight: 34 Lbs/15 Kg

Shipping Dimension: 19" x 16" x 19"/470 x 395x 480 mm (LxWxH)

Technical Specifications

Daedalus **DS10**

Amplification type: 10" Class D Power Subwoofer

Frequency Response: 20Hz - 195Hz

Power: 250 W RMS/500W Peak

Impdance: 4 ohms

Standby: $\leq 0.5W$

Input & Output: RCA or XLR Input & Output

Voltage: 110-240 V

Phase: 0-180°

Crossover frequency: 40-160 Hz

Woofers: 10" High-Excursion Lightweight treated Paper Composite cone

Enclosure Type: Front Ported and Internally Braced

Product Weight: 40 lbs /18.2 Kg

Product Dimensions: 15.8" x 13.4" x 14.8"/400 x 340 x 375 m(HxWxD)
Without Grille Attached

Shipping Weight: 49Lbs /22 Kg

Shipping Dimension: 21" x 19" x 22"/535 x 470 x 560 mm(LxWxH)

Technical Specifications

Daedalus **DS12**

Amplification type: 12" Class D Power Subwoofer

Frequency Response: 19Hz - 195Hz

Power: 250 W RMS/500W Peak

Impdance: 4 ohms

Standby: $\leq 0.5W$

Input & Output: RCA or XLR Input & Output

Voltage: 110-240 V

Phase: 0-180°

Crossover frequency: 40-160 Hz

Woofers: 12" High-Excursion Lightweight treated Paper Composite cone

Enclosure Type: Front Ported and Internally Braced

Product Weight: 54 lbs /24.5 Kg

Product Dimensions: 18.5" x 15.8" x 17.32"/470 x 400 x 440 mm(HxWxD)
Without Grille Attached

Shipping Weight: 66Lbs /30 Kg

Shipping Dimension: 24" x 21" x 25"/610 x 540 x 640 mm(LxWxH)

Technical Specifications

Daedalus **DS15**

Amplification type: 15" Class D Power Subwoofer

Frequency Response: 18Hz - 195Hz

Power: 550 W RMS/1100W Peak

Impdance: 4 ohms

Standby: $\leq 0.5W$

Input & Output: RCA or XLR Input & Output

Voltage: 110-240 V

Phase: 0-180°

Crossover frequency: 40-160 Hz

Woofers: 15" High-Excursion Lightweight treated Paper Composite cone

Enclosure Type: Front Ported and Internally Braced

Product Weight: 78 lbs /35.5 Kg

Product Dimensions: 22.4" x 18.5" x 21.7"/570 x 470 x 550 mm(HxWxD)
Without Grille Attached

Shipping Weight: 91Lbs /42 Kg

Shipping Dimension: 27" x 24" x 29"/685 x 610 x 735 mm(LxWxH)

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
9. This apparatus was evaluated for use in an operating ambient temperature of 45 °C. (113°F)
10. Do not defeat the safety purpose of the grounding type plug. The grounding plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Only use attachments/accessories specified by the manufacturer.
13. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
16. To completely disconnect this equipment from the mains, disconnect the power supply cord/plug from the receptacle. The mains plug of the power supply cord shall remain readily operable.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Your Aperion Audio Subwoofer can be cleaned gently using the following methods:

- Use a dry microfiber duster to remove any loose dust from the surface.
- Use a slightly moistened microfiber cloth to wipe away fingerprints, smudges, and other impurities. Ensure that you wipe in a single direction, following the grain if applicable.
- After any damp cleaning, immediately use a dry microfiber cloth to follow up. Again, dry wipe in a single direction, with the grain if applicable.

WARRANTY & SUPPORT

Aperion Audio offers warranty service for all products.

Cabinets and drivers have a five (5) year warranty, while amplifiers are covered for two (2) years.

Even if the warranty period expires, we continue to provide paid lifetime maintenance and spare parts replacement services.

<https://www.aperionaudio.com/pages/warranty>

SHARE YOUR THOUGHTS

Our Aperion Audio Sound Experts are available to assist you from Monday to Friday, 9 AM to 5 PM PST. They can help with subwoofer setup, optimization, AV receiver settings, and more. You can reach them by phone, email, or chat using the options below.

www.aperionaudio.com • customerservice@aperionaudio.com • 503-598-8815

We invite you to share a review on our website and to join our lively social media community, where we share reviews, featured systems, interesting audio articles, and more.



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