



CLASSIC COLLECTION

Subwoofers
Product Manual

CS800 | CS1000 | CS1200

1. Read these instructions.
2. Follow these instructions.
3. Comply with all warnings.
4. Follow all instructions.
5. Do not use this device near water.



6. Use only a dry cloth for cleaning.
7. Do not block the ventilation holes. Install according to the manufacturer's instructions.
8. Do not install it near heat sources such as radiators, sockets, stoves, or other devices that generate heat (including amplifiers).
9. Do not bypass the safety device of the polarized plug. The polarized plug has two blades, one not wider than the other. Providing large blades is for our safety. If the provided plug is not suitable for your socket, please consult an electrician to replace the outdated socket.
10. Protect the power cord, especially the plug, socket, and point of removal from the device, to prevent stepping on or pinching the power cord.
11. Use only accessories specified by the manufacturer.
12. Remove this device during thunderstorms or prolonged periods of inactivity.
13. Repairs and maintenance shall be carried out by qualified service personnel. When the device is damaged by any of the following types, it must be repaired: power cord or plug damage, liquid overflow or falling into the device, device exposure to rainwater or moisture, malfunction or falling.
14. Bare fire sources, such as illuminated candles, should not be placed on the device.
15. Warning: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. The device shall not be exposed to dripping or splashing, and objects filled with liquid, such as vases, shall not be placed on the device.
16. Warning: The main plug/device coupler is used as a disconnecting device, and the disconnecting device should be kept operable at any time.
17. Properly handle this product. This mark indicates that the product should not be disposed of together with other household waste across the European Union. In order to prevent potential harm to the environment or human health caused by uncontrolled waste disposal, responsible recycling of waste should be carried out to promote the sustainable reuse of material resources. To return the product, please use the return and payment system or contact the retailer who purchased the product. They can use this product for environmentally safe recycling.
18. The product must be used on an open workbench.
19. Operate the product under the following conditions: Temperature ranging from 0 to 40°C (32 to 104°F), and at altitudes below 5,000m (16,400 feet).



FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(a) This device may not cause harmful interference. (b) This device must accept any interference received, including interference that may cause undesired operation.

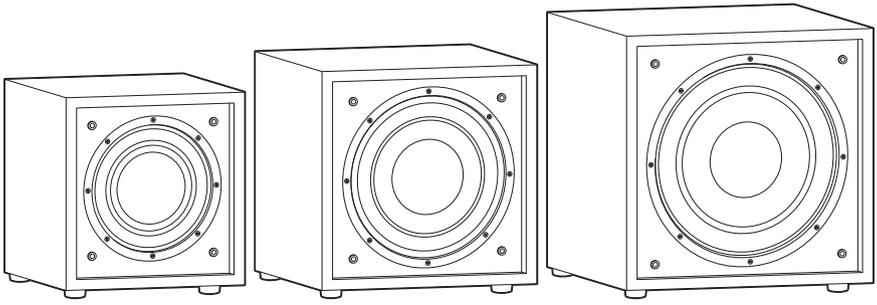
NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



Welcome

Thank you for choosing a Dayton Audio Classic Collection Subwoofer. Designed to deliver clear, powerful, and immersive bass, these subwoofers bring out the full impact of music, movies, and games. Low frequencies are reproduced with precision and authority, adding depth and realism to any listening experience.

Created by Dayton Audio's in-house engineering team, the Classic Collection reflects a commitment to practical design, solid performance, and real-world value. Built on decades of experience crafting high-quality speaker components and DIY audio solutions, these subwoofers are made to sound great and last.

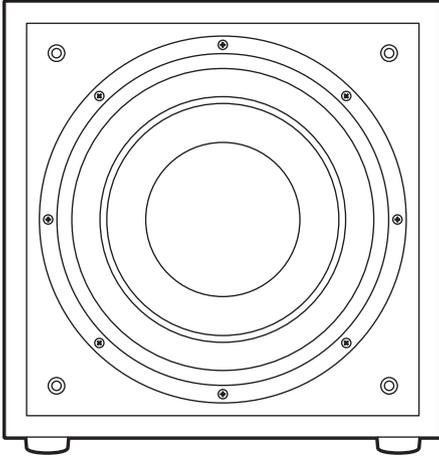
Available in 8", 10", and 12" sizes, each model is powered by a Class-D amplifier and housed in a cabinet that blends clean, modern styling with vintage-inspired details. Two finish options—wood grain or satin black—allow the subwoofer to integrate seamlessly into a wide range of systems and environments.

These subwoofers are part of Dayton Audio's Classic Collection—an expanding line of loudspeakers designed to work together visually and sonically. While they integrate seamlessly with other Classic Collection speakers, they're also a great addition to a wide variety of home audio systems.

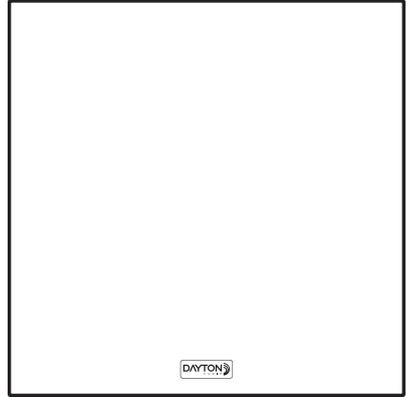
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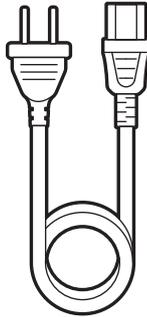
What's In The Box



Classic Collection Subwoofer



Detachable Grille



Power Cable



This Manual

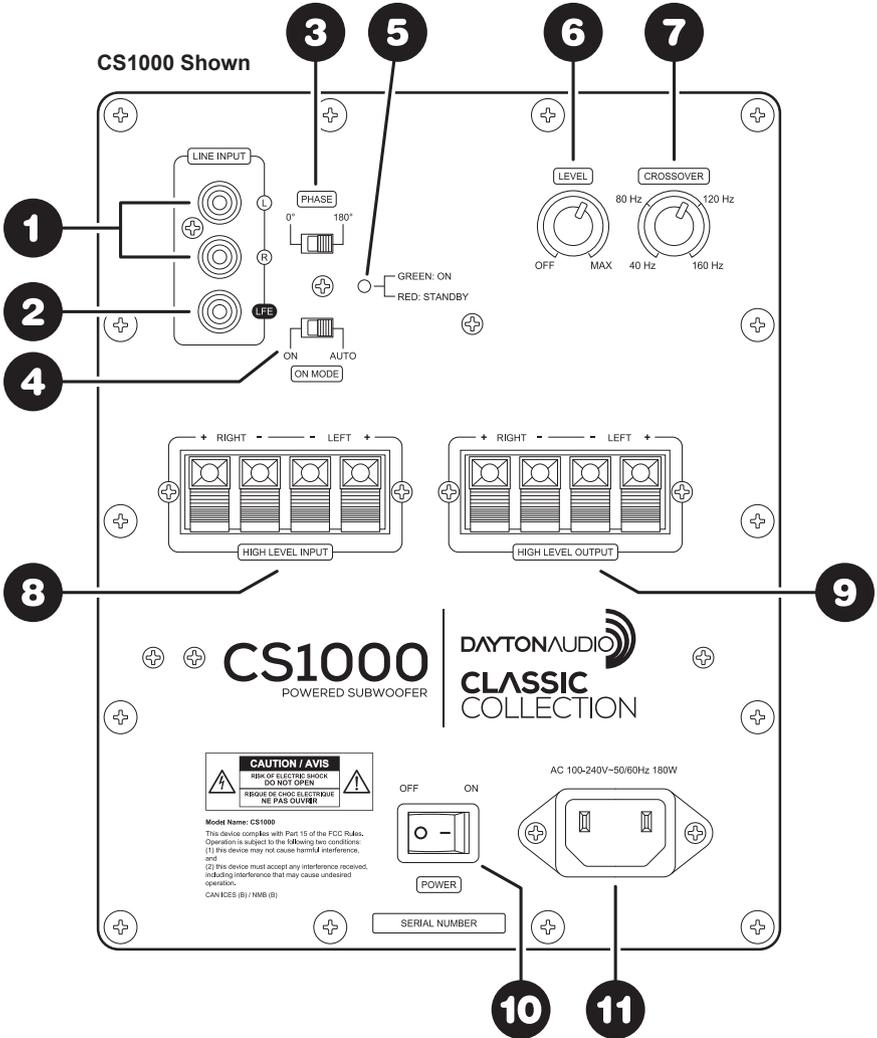
Unpacking

Please unpack the subwoofer and carefully examine it for any potential damage that may have occurred during shipping. If damage is discovered, it is important to inform the shipping company promptly.

While Dayton Audio is available and willing to assist as necessary, only the recipient can initiate a claim for any shipping-related damage. If the product shows visible signs of damage upon arrival, be sure to retain the shipping carton for the shipper's inspection.

It is strongly advised to keep all packing materials, as they may be useful in the future if the subwoofer ever need to be transported or stored. Never attempt to ship the subwoofer without the original factory carton and the accompanying packing materials.

Panels And Controls



- | | |
|-------------------------------|----------------------------|
| 1. RCA Line Level Input (p.6) | 7. Crossover (p.10) |
| 2. LFE Input (p.6) | 8. High Level Input (p.7) |
| 3. Phase (p.10) | 9. High Level Output (p.7) |
| 4. On Mode (p.5) | 10. Power Switch |
| 5. Status LED | 11. AC Power Input |
| 6. Subwoofer Level (p.10) | |

Connecting To Power

Classic Collection has a built-in universal power supply and is capable of accepting power in any country. Connect the included power cable to the AC input on the rear of the subwoofer and to mains power.

Turn the main power switch on the rear of the speaker to "ON" to power on the subwoofer.

Auto On

The Auto On switch controls whether the subwoofer automatically powers on in response to an incoming audio signal.

When set to AUTO, the subwoofer enters standby mode after approximately 15 minutes without signal. It will automatically turn back on as soon as signal is detected.

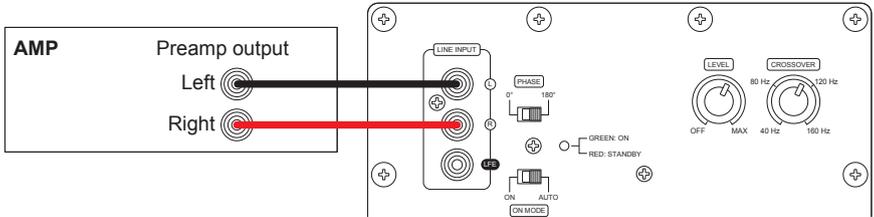
When set to ON, the Subwoofer remains powered on continuously whenever it is connected to power and the main power switch is on.

The Status LED on the rear of the amplifier will indicate the subwoofer status. It will illuminate green when the subwoofer is on and red when the subwoofer is in standby.

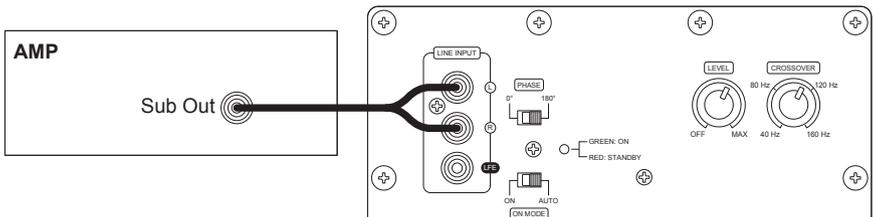
Hooking Up

Line Level Input

For most home audio systems with a stereo line-level output, a standard stereo RCA cable should be used to connect both the left and right outputs of the source (such as a preamp or AV receiver) to the subwoofer's left and right RCA inputs. Connecting both channels ensures the subwoofer receives the full low-frequency signal from the stereo mix and results in higher overall input gain compared to using a single channel.



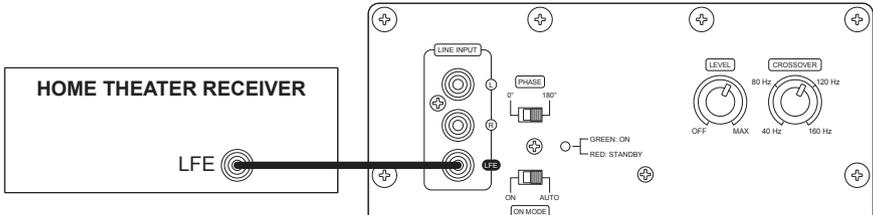
If the source provides a mono line-level output, it may be connected to either the left or right RCA input on the subwoofer. However, this may result in lower input gain compared to a stereo connection. To improve signal strength and ensure proper response at lower playback volumes, a Y-adaptor is recommended. This allows the mono signal to feed both RCA inputs simultaneously, increasing the effective input level and providing more consistent performance across a wide range of systems.



Hooking Up

LFE Input

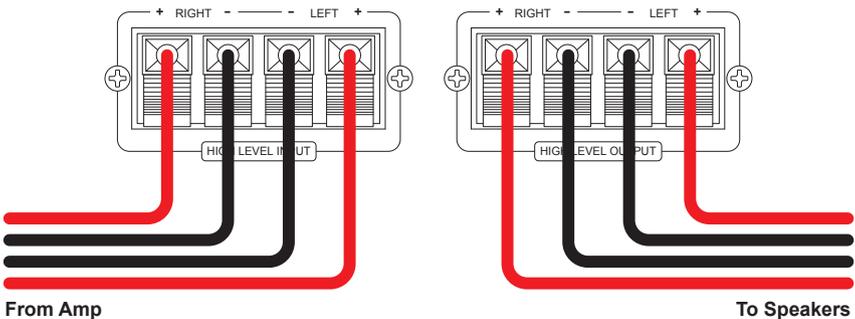
The dedicated LFE (Low Frequency Effects) input is designed for home theater systems that provide a discrete LFE output from an AV receiver or processor. The LFE channel is used primarily for low-frequency effects in movies and multi-channel audio content, and is not typically present in music playback. This input bypasses the subwoofer's internal low-pass filter, allowing the AV receiver to handle bass management and crossover settings. A single RCA cable should be used to connect the LFE output on the receiver to the LFE input on the subwoofer.



Speaker Level (High-Level)

The high-level input allows the subwoofer to connect directly to the speaker outputs of a stereo amplifier or receiver. This is ideal for systems without a dedicated subwoofer or line-level output. The subwoofer derives its signal from the full-range speaker output without affecting the signal sent to the main speakers.

Speaker wire should be used to connect the amplifier's left and right speaker outputs to the subwoofer's high-level input terminals, observing proper polarity. The main speakers can then be connected to the subwoofer's high-level output terminals, allowing the signal to pass through while the subwoofer handles low-frequency reproduction.

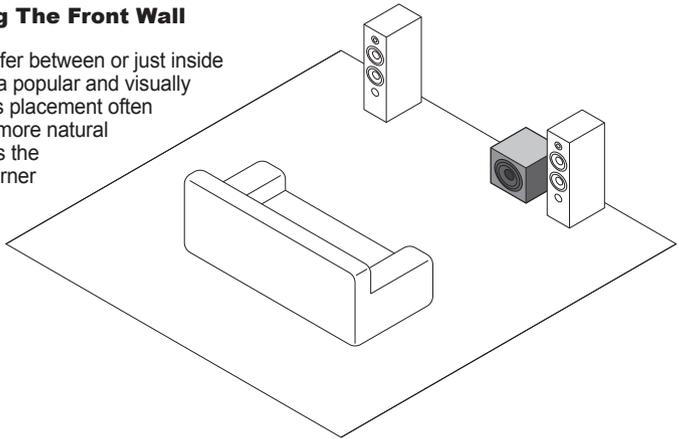


Placement

Correct subwoofer placement is crucial to getting the best combination of smooth bass, extension, and output for your audio system.

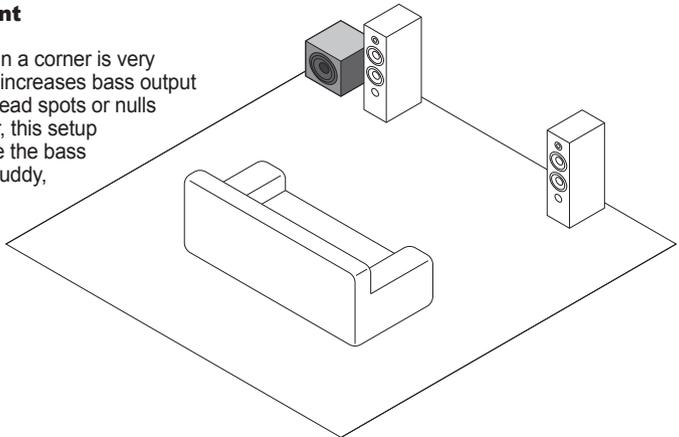
Placement Along The Front Wall

Positioning a subwoofer between or just inside the front speakers is a popular and visually balanced choice. This placement often delivers a smoother, more natural bass response across the room compared to corner placement.



Corner Placement

Placing a subwoofer in a corner is very common and usually increases bass output and helps minimize dead spots or nulls in the room. However, this setup can sometimes cause the bass to sound boomy or muddy, depending on where you're sitting.



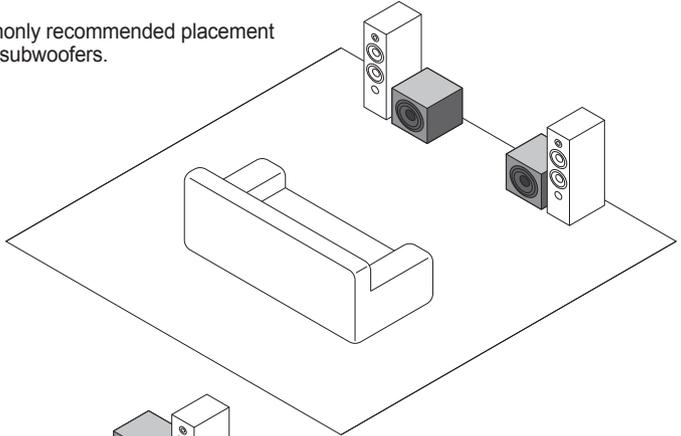
A simple and effective way to find the ideal subwoofer placement in your room is to reverse the usual setup. Start by placing the subwoofer on the floor at your usual listening spot—whether it's the couch, a chair, or another preferred seat. Then, play a familiar piece of music or a movie scene with strong bass and walk around the room. Listen closely as you move; the spot where the bass sounds the most balanced and satisfying is typically the best location to place your subwoofer.

Multiple Subwoofers

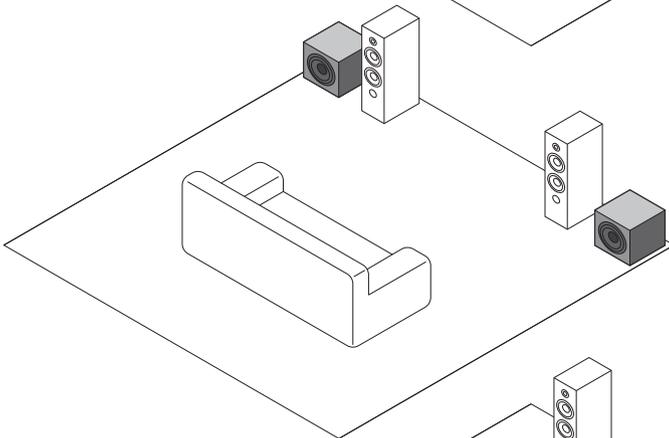
Using two or more subwoofers in your audio system can offer significant advantages. In addition to delivering greater overall output, multiple subwoofers—when positioned correctly—can effectively reduce acoustic cancellations that create bass nulls or dead spots in a room. The placement process for multiple subwoofers follows the same principles as positioning a single subwoofer.

Here are some commonly recommended placement options for using two subwoofers.

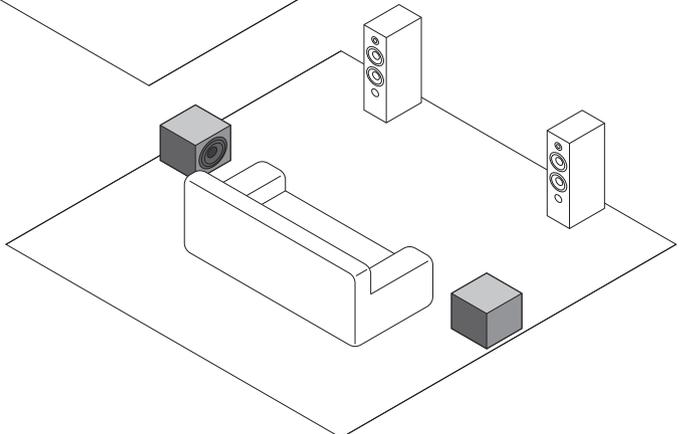
Along Front Wall



Corner Placement



On Side Walls



Dialing In Your Subwoofer

Crossover

The crossover control sets the highest frequency the subwoofer will play. Frequencies above this point are handled by the main speakers. A good starting point is 80 Hz, which works well in most setups.

Try adjusting the crossover knob slowly while listening to music with steady bass. When dialed in correctly, the subwoofer should feel like a natural extension of the speakers, not a separate sound source. If there's a gap in the sound—like the bass feels weak or missing—try turning the crossover up slightly. If the bass sounds boomy or overlaps with the main speakers, try turning it down a bit.

Phase

The phase switch helps align the timing of the subwoofer with the main speakers. If the subwoofer is out of phase, the bass from the sub and speakers can cancel each other out, making the low end sound thin or uneven.

This control has two settings: 0° and 180°. Start with the switch at 0° and play music with steady bass. Then flip it to 180° and listen again. Use the setting that sounds more full and balanced.

Level

The level control adjusts the subwoofer's output volume. The goal is to match the subwoofer to the rest of the system so that the bass sounds natural—not too loud or too quiet.

Start with the level set about halfway. Play familiar music and gradually adjust the knob until the bass feels balanced with the main speakers. The subwoofer should support the sound, not overpower it. If the bass stands out too much or seems to disappear, try making small adjustments and listen again until it feels right.

Using Your Speakers

Speakers often exhibit a noticeable improvement after a break-in period of around 30 to 40 hours of playtime. During this initial phase, the soft parts of the drivers (surround and spider) will relax and become more compliant, resulting in enhanced detail for improved audio quality.

To break-in speakers effectively, play a diverse selection of music at moderate volume levels. This allows the speaker's transducers to settle and relax, optimizing their performance. It is worth noting that even after this initial break-in period, further improvements in sound quality can continue to develop over time, ensuring an even more satisfying listening experience.

Installing Speaker Spikes (Optional)

The subwoofers in the Classic Collection series come equipped with factory-installed rubber feet, mounted using M6 threaded inserts. These rubber feet are ideal for hard surfaces like wood, tile, or laminate flooring, as well as low-pile carpet. For thicker carpets, replacing the rubber feet with M6-compatible spikes—such as the Dayton Audio DSS4 is recommended. Spikes help the subwoofer make better contact with the floor, resulting in tighter, cleaner bass performance.

Care And Maintenance

The finish on the cabinets can be maintained with regular dusting. For extreme buildup of dust or debris a slightly dampened microfiber cloth can be used. Exercise caution to not get moisture on the driver components.

If you do wish to use a cleaning solution, please do so by applying a small amount to an inconspicuous part of the cabinet, such as the bottom before applying to the entire cabinet. Do this to ensure that the solution will not cause harm to the finish of the Classic Collection cabinets.

Troubleshooting

Problem	Cause	Solution
No sound or low volume	The volume is turned down	Turn the volume up.
	The crossover is improperly set	Adjust the crossover up until there is a good mix of bass. (p.10)
	Incorrect cable connections	Double check that the device that you are trying to listen to is connected to the correct input. (p.6)
Low volume	Volume on the source device is turned down	Verify that any volume control on the connected preamplifier, mixer, or playback device is turned up.
The sound output lacks bass	The phase polarity is reversed	Adjust the phase switch for proper alignment with the main speakers. (p.10)
	The crossover is improperly set	Adjust the crossover frequency up until there is a good mix of bass. (p.10)
Subwoofer hum or buzz	Ground loop or unshielded audio cables	Use a ground loop isolator or replace cables with shielded ones.
	Poor power grounding	Ensure the subwoofer and source equipment share a common ground.
Distorted sound	Input signal too strong (clipping)	Reduce source volume or gain level.
	Subwoofer driver or amplifier is damaged	Contact technical support for evaluation.
No sound from LFE input	AVR not configured correctly	Verify AVR settings and ensure LFE is enabled.
Subwoofer turns off randomly	Auto-on sensitivity too low or no signal	Set auto-on to OFF or increase input signal level. (p.5)
	Loose or faulty power connection	Check and secure all power connections. (p.5)
Subwoofer makes a popping sound	Power cycling while still receiving signal	Power off connected components after the subwoofer.
	Faulty driver or amplifier circuitry	Contact support for service options.
The subwoofer fails to turn on	The power cable is not connected properly	Check to make sure both ends of the power cable are connected properly. (p.5)
Excessive bass or boomy sound	Subwoofer placement too close to walls or corners	Move subwoofer away from walls or corners and re-test. (p.8)

Specifications

	CS800	CS1000	C1200
Frequency Response	35 - 220 Hz	28 - 200 Hz	26 - 200 Hz
Transducer	8" Mineral Filled Poly Cone	10" Mineral Filled Poly Cone	12" Mineral Filled Poly Cone
Input Sensitivity	180 mV	180 mV	180 mV
Input Impedance	11 kΩ	11 kΩ	11 kΩ
Potential Output	108 dB	109 dB	111 dB
Power Output (RMS)	150 Watts	180 Watts	200 Watts
System Format	Subwoofer	Subwoofer	Subwoofer
Bass Alignment	Vented Enclosure	Vented Enclosure	Vented Enclosure
Tuning Frequency	47 Hz	39 Hz	32 Hz
Low Pass Crossover Frequency	40 - 250 Hz	40 - 250 Hz	40 - 250 Hz

Inputs

Line Level	Stereo RCA	Stereo RCA	Stereo RCA
LFE	Single RCA	Single RCA	Single RCA
Hi Level	Left/ Right Spring Terminals with Passthrough	Left/ Right Spring Terminals with Passthrough	Left/ Right Spring Terminals with Passthrough

Controls

Lowpass Filter	40 Hz - 160 Hz	40 Hz - 160 Hz	40 Hz - 160 Hz
Phase Control	0° / 180°	0° / 180°	0° / 180°

General

Power Requirements	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz
Standby Power Consumption	0.5 Watts	0.5 Watts	0.5 Watts
Auto-On Voltage	4 mV	4 mV	4 mV
Amplification	Class D	Class D	Class D
Dimensions (each) W x H x D	11-1/2 x 14 x 12-3/8 in. (292.1 x 355.6 x 314.325 mm)	13-1/2 x 16 x 14-3/8 in. (342.9 x 406.4 x 365.125 mm)	15-1/2 x 18 x 16-3/8 in. (393.7 x 457.2 x 415.925 mm)
Weight	22.8 lbs (10.34 kg)	29.32 lbs (13.3 kg)	38.76 lbs (17.78 kg)
Finishes Available	Black Wood	Black Wood	Black Wood

5-Year Limited Warranty
See daytonaudio.com for details



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