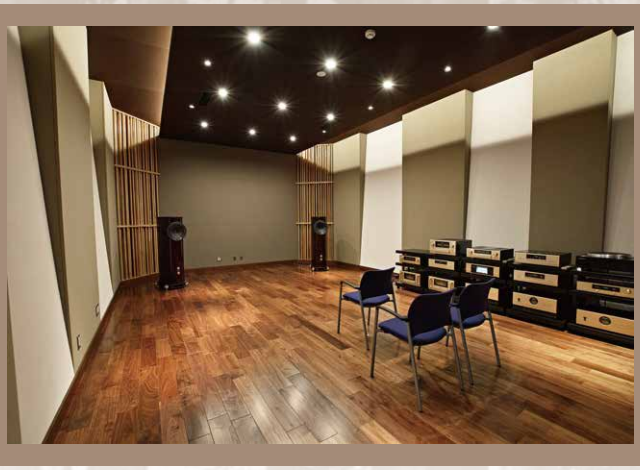
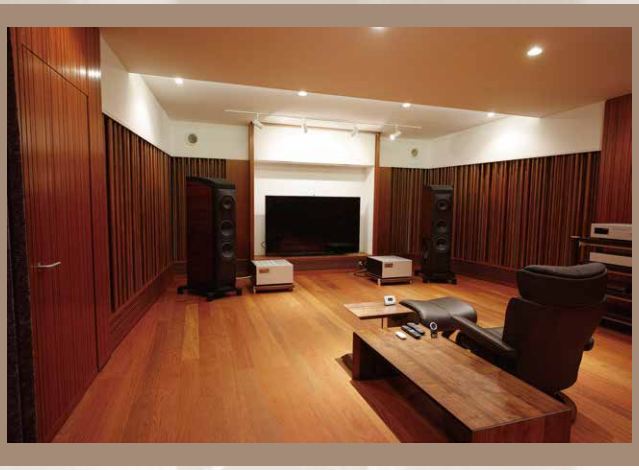
Acoustic Grove System

AGS

Delivering ideal room acoustics for your audio room

Inspired by the acoustics of a forest, Nihon Onkyo Engineering developed the Acoustic Grove System (AGS) to enhance the room acoustics in your audio room. With AGS in your room, you can unlock the full potential of your audio equipment and enjoy music with precise, detailed sound and richness.





AGS-FS1

standard

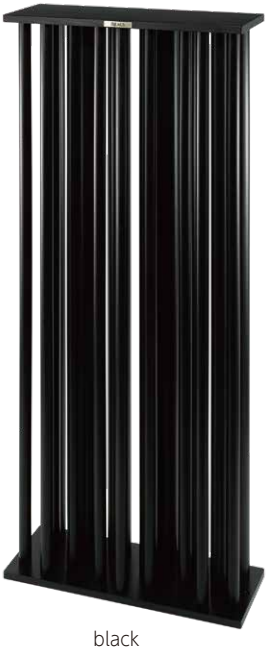
black

〈Standard Specification〉
Dimensions : 40(W)×33(D)×140(H)㎝, Weight : 24kg

AGS-FS1 features a compact design that incorporates the essence of AGS technology, allowing it to be placed anywhere in your room. You can position it between your speakers, along the side or back walls, or even in corners. This flexibility allows you to easily adjust its placement based on your room's acoustics and your personal listening preferences.

AGS-ST1

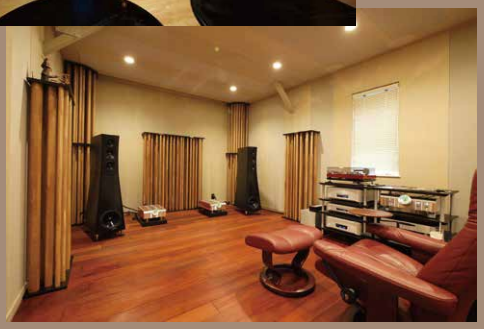
standard



black

〈Standard Specification〉
Dimensions : 60(W)×23(D)×150(H)㎝, Weight : 34kg

AGS-ST1 is designed for versatile placement along walls or any flat surface in your room. For instance, simply placing an AGS-ST1 along the front wall between your speakers can provide clearer, richer resolution and a greater sense of depth. Alternatively, when positioned along the side walls, it can deliver a natural and wide sound stage.



AGS-CO1

standard

black

〈Standard Specification〉
Dimensions : 40(W)×40(D)×150(H)㎝, Weight : 37kg

AGS-CO1 is specifically designed for use in room corners to improve low-frequency response. By effectively managing bass in these critical areas, it allows you to achieve increased resolution across the entire frequency range and significantly reduce distorted feeling.

AGS-MN1


standard


black

〈Standard Specification〉
Dimensions : 66(W)×11(D)×30(H)㎝, Weight : 2.5kg

Despite its compact size, AGS-MN1 offers tremendous potential. Its versatile design allows you to place it in front of an LCD panel, on your audio rack, or any other positions in your room. You'll experience a wider and deeper sound stage with precise, stable imaging.

AGS-FL1


standard

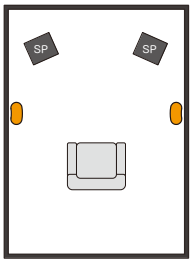

black

〈Standard Specification〉
Dimensions : 60(W)×60(D)×12(H)㎝, Weight : 8kg

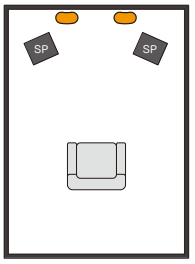
AGS-FL1 is designed to be placed on the floor to reduce the effect of strong reflections from the floor, as well as minimizing standing waves between the floor and ceiling. With appropriate placement, you can truly feel the dynamism in your music.

Recommended settings of AGS

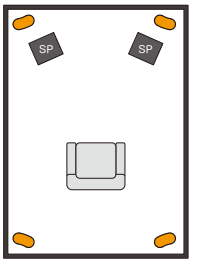
AGS-FS1



A
in front of side walls

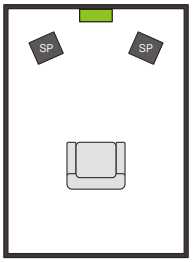


B
in front of the front wall

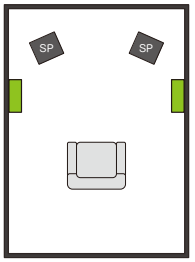


C
in room corners

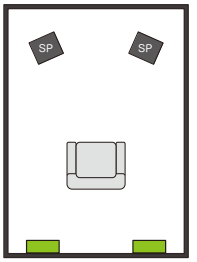
AGS-ST1



D
between the speakers
along the front wall

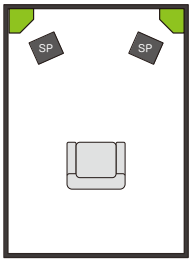


E
along side walls



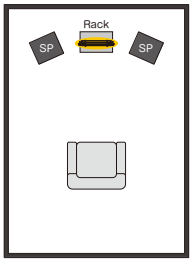
F
along the rear wall

AGS-CO1

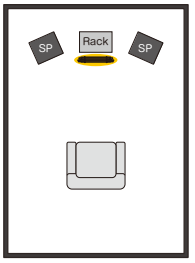


G
in room corners

AGS-MN1

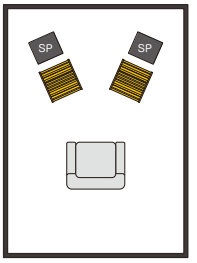


H
on the top of a rack, in front



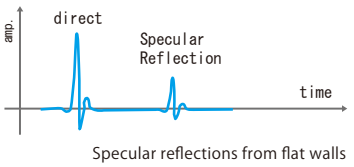
I
in front of racks

AGS-FL1

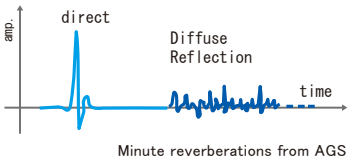


J
on the floor in front of speakers

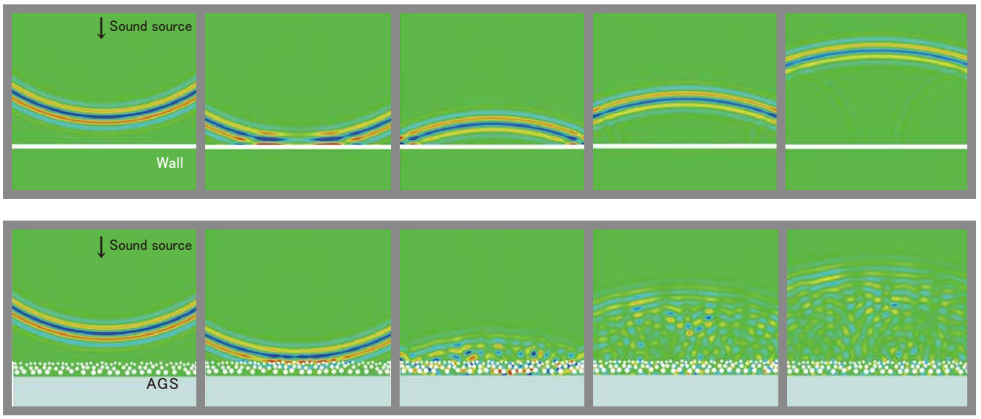
■ Comparison between specular reflections and minute reverberations



Specular reflections from flat walls

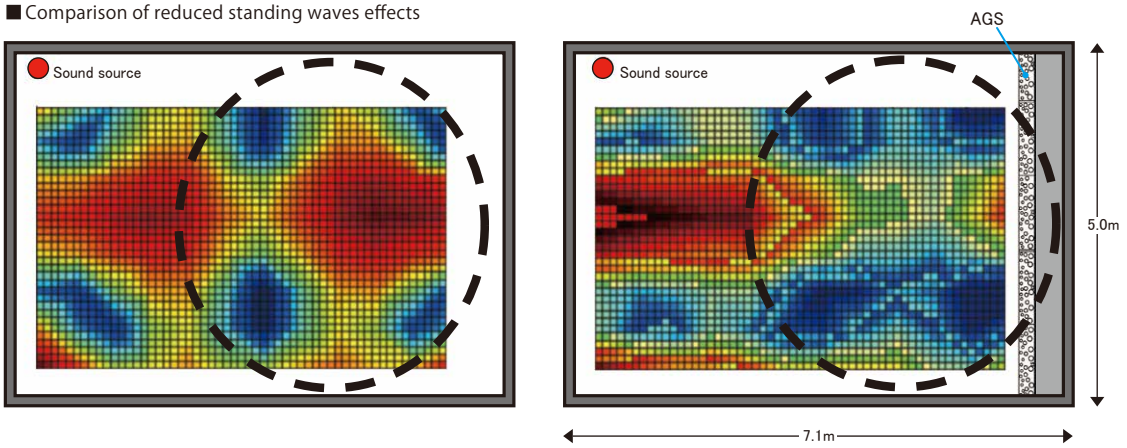


Minute reverberations from AGS



The figure illustrates the results of a computer simulation verifying the time response characteristics of reflections with AGS. It assumes a pulse-like sound is incident on the wall. The upper section shows the reflection with a flat and hard surface, while the lower section shows the time response characteristics of reflections with AGS. AGS breaks the wavefront of the reflected sound, eliminating strong reflections and dispersing the energy of the reflected sound in both direction and time, then resulting in a gradual attenuation. These characteristics allow for a space with natural acoustics without coloration, without compromising the clarity of direct sound.

■ Comparison of reduced standing waves effects



【Flat walls】

【Placing AGS along the back wall】

The figure illustrates the effect of AGS installation on improving standing wave effects. It shows the sound pressure level distribution at 80 Hz in a rectangular room with dimensions of 7.1 m by 5.0 m. The left figure shows the state before AGS installation, and the right figure shows the state after AGS installation on the right wall. The results are obtained by a scaled model experiment, with room dimensions and frequency converted to actual values. When comparing the before and after states, particularly within the area indicated by the dashed lines, it is evident that the peaks and dips in sound pressure levels are significantly mitigated by the AGS installed along just one wall.

Sound Lab.

【Notes】

- Acoustic Grove System is copyrighted in registered design, trademark and patent.
- For more information about detailed size, weight, uses, usability, prices and delivery times, contact your authorized distributor.
- Specifications are subject to change without notice.

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