ROOM ACOUSTIC TUNE

Room acoustic tuning

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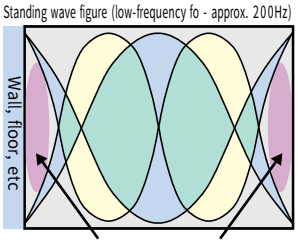
Musicality which has not been reproduced until now.

Audio electric signals are changed into air vibration which then reaches our ear at a certain distance. Nevertheless, many audio users spend much time and expense in tuning electronic equipments or their related systems for better sound quality, such electronic tunings as (1) equipment upgrade, (2) wiring upgrade, (3) power supply upgrade and (4) vibration processing. On the other hand, the tuning of the air vibration from a speaker is neglected too much in today's audio life. Both the electric signal path and the air vibration path are the routing lines of sound, and both of them are very important factors to the sound quality and music. Our company has re-realized the importance of room tuning and improved fundamentally the drawbacks of conventional tuning material, such as a sound-absorbing and reflective material, enabling you to experience spacious, harmonic musical expression never heard before.

Standing wave figure (low-frequency fo - approx. 200Hz)



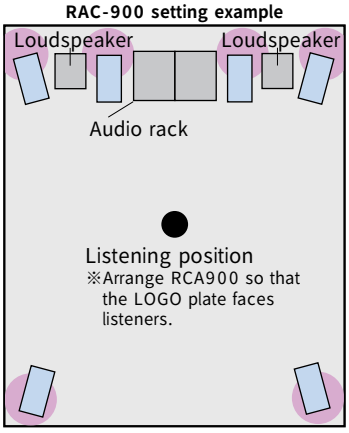
Effective points of our acoustic board or acoustic chamber

Acoustic Chamber RAC-900

This epoch-making acoustic chamber controls standing wave on real time in a completely new method and can accomplish sound field compensation in a room without any drawback. The RAC-900, the large-sized floor type model of RAC-100, which is called a "strange box", a "black box", etc. by users, can process also the standing waves as high as a listening point uncontrollable with RAC-100. Huddling obscure sound as well as underperformed range, etc. is now restored to dynamic and clear sound with high S/N ratio.

■Specification / 3-port standing wave control system
■Size / W195mmxH950mmxD300mm (chamber part W100 mmxH930 mmxD250mm)
■Finish / black saran-upholstered (with wooden stand)

RAC-900 setting example



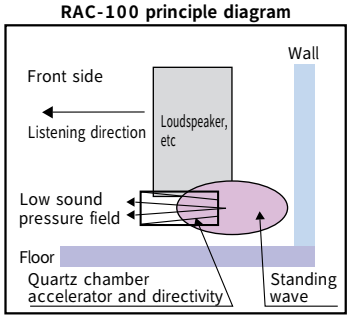
RAC−900 Standing wave

Acoustic Chamber RAC-100

This model employs a completely new room tuning system to control the standing wave which is the biggest factor affecting sound quality, and it reproduces an ideal sound stage. In controlling the standing wave, the directivity generated by the RAC-100 speeds up the flow velocity of sound pressure in the low and high fields, resulting in the low-distortion and flat sound pressure characteristics over the entire range. While the shape generates the directivity, the silica glass is used to accelerate the flow velocity of sound pressure, yielding a characteristic no other material has ever attained. And the quartz wool employed as sound-tuning material has completely eliminated the distortion and coloration that is the case with the conventional sound-absorbing material. The improved sound is stress-free and gives speedy feeling in all ranges. It also improves the S/N ratio to make the sound dynamic and clear.

■Specification / 1-port standing wave control system
■Size / W100mmxH100mmxD250mm
■Finish / allover saran-upholstered

RAC-100 principle diagram



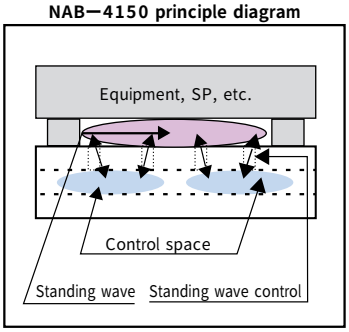
Usage Effective when simply put not only around audio equipment but also in narrow spaces in a room, such as furniture and corner where standing wave exits.

Acoustic board NAB-4150

This board is a highly efficient acoustic board which, beyond old common sense, controls standing waves in the narrow spaces between equipments and rack boards. The acoustic board is understandable especially to those who have experienced the sound differences depending on where in a rack equipments are placed, etc. A rack filled with equipments does have a big influence on the room acoustics and consequently on the sound quality. In order to eliminate the bad influence and to control unnecessary vibration of the board itself, our special board performs ultra high-speed vibration processing employing in the center the high purity silica glass which excels most in the sound characteristic as a vibration catalyst. It also employs the highest-class acoustically excellent noble wood used for a musical instrument etc. The NAB−4150 acoustic board realizes high-resolution, more detailed, wide-range, spacious and profound sound which has not been experienced with other boards.

■Material / high-class noble real wood (cello wood)
■Sound tuning system / standing wave control system ■Vibration processing / high-purity silica glass
■Size / W500 mmxH52 mmxD415mm ■Weight / approx. 4.5kg

NAB−4150 principle diagram



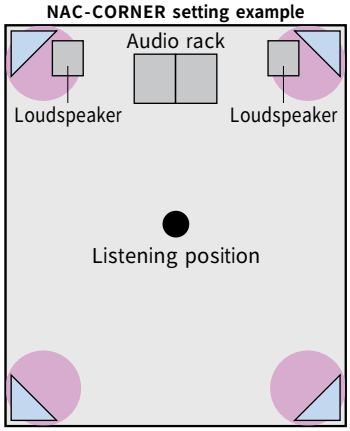
Usage Also usable as acoustic panel stuck on the wall.

Acoustic corner NAC-CORNER

Nasty standing waves harmful to the sound are effectively controlled in a whole room with this NAC-CORNER. Completely unlike the conventional sound-absorbing material, it controls sound rather than absorbs it. First, just place it on each corner side of the loudspeakers where the maximum effect is expected, and a free sound stage opens up as if walls spread out at a stretch. Next, place it at each corner behind listener, and the sound stage on either side will expand and become more three-dimensional. No troublesome setting as with many other tuning materials is needed. An amazing sound stage is realized simply by placing the NAC-CORNER.

■Material / high-class noble real wood (cello wood)
■Sound tuning system / standing wave control system (third standing wave)
■Size / W310 mmxD310 mmxH165m
※Production on orders

NAC-CORNER setting example



NAC−CORNER Standing wave

※Specifications are subject to change without notice.

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