

Audio Innovations

Innovating Audio Solutions

Loudspeakers of a different kind



Speakers are a beautiful and at the same time a difficult topic because the better they sound, the bigger they usually are. With the new AI-120, AI-100 and AI-70 there will come an end to this dilemma. Slim speakers, just 36 mm wide, 22 mm deep and - depending on the model 710, 1010 or 1210mm long - will provide room-fill-ing sound and even more.... The typical problem that the music is becoming quieter as the distance increases will be history as well....



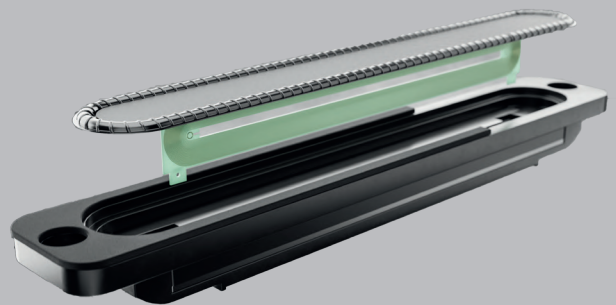
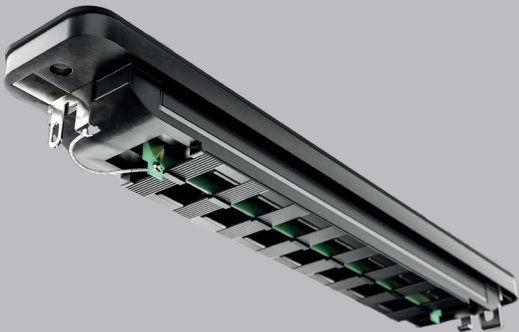
The Audio Innovations loudspeakers doesn't have conventional dynamic drivers, but "manetostatic drivers" of each 20mm x 120mm insize. In the AI-70 and AI-100, there are three placed one above the other, in the AI-120 there are four. And these are not, like ordinary membranes, driven in the middle, but similar to a magnetostat over the whole surface. The result: you get a large, homogeneous and evenly vibrating surface, which also has the ability to bundle the sound vertically and less horizontally. The principle is known from professional sound pressure, when it comes to filling large spaces, which is usually achieved with a horn design, but where you experience other disadvantages in terms of sound quality..



In the Audio Innovations speakers is the structure itself that achieves the desired effect. Whether you are right in front of the loudspeaker or a few meters away, the noise level varies considerably less than with conventional speakers. This also affects the spatial sense, because the typical stereo triangle with the "sweet spot", as best listening location, is not here. In the horizontal plane the elegant transducers attain an impressive beam angle of 160 degrees and only 40 degrees in the vertical



direction. In addition to the desired bundling this has the advantage that the acoustics does not have as much influence. Smooth floors or ceilings, which would otherwise lead to unwanted reflections, will not get so much noise in this construction plan, so you will also have less reflected sound but only direct.. Another advantage of the used design: The chassis used has a very linear impedance, which does not unnecessarily limit the performance of the amplifier. This is more for technicians, but it allows these speakers much less critically than others to work with the electronics and therefore makes no high demands on the amplifier used.



The sound is impressively good. The Audio Innovations speakers has a sound that is balanced and dynamic almost completely independent of the listening position. Therefore they are extremely good for ie. boardrooms, meetingrooms, auditoriums but also for home-audio like 2.1 up to 7.1 solutions. For the best audio experience we suggest to combine the speakers with a qualified subwoofer.

Specifications

Technical Data AI-70

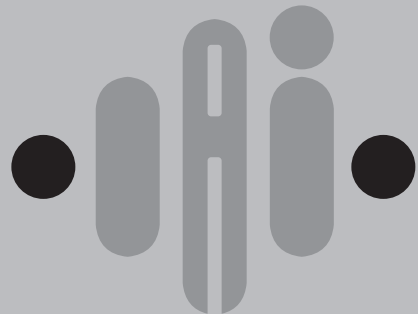
Rated power: 60W
Resistance: 6 ohms
System: Line array speaker
Driver size: 20 x 120 mm
Frequency range: 160 Hz - 20 KHz
Sensitivity: 84 dB/W/m
Max. rated SPL: 97 dB
Radiation angle vertical: 40°
Radiation angle horizontal: 160°
Width: 36 mm
Height: 710 mm
Depth: 22 mm
Chassis: Aluminum
Version: White or Black (other on enquire)
Placing: Suspension system
Number of drivers: 3

Technical Data AI-100

Rated power: 60W
Resistance: 6 ohms
System: Line array speaker
Driver size: 20 x 120 mm
Frequency range: 150 Hz - 20 KHz
Sensitivity: 86 dB/W/m
Max. rated SPL: 99 dB
Radiation angle vertical: 40°
Radiation angle horizontal: 160°
Width: 36 mm
Height: 1010 mm
Depth: 22 mm
Chassis: Aluminum
Version: White or Black (other on enquire)
Placing: Suspension system
Number of drivers: 3

Technical Data AI-120

Rated power: 80W
Resistance: 4 ohms
System: Line array speaker
Driver size: 20 x 120 mm
Frequency range: 120 Hz - 20 KHz
Sensitivity: 88 dB/W/m
Max. rated SPL: 103 dB
Radiation angle vertical: 40°
Radiation angle horizontal: 160°
Width: 36 mm
Height: 1210 mm
Depth: 22 mm
Chassis: Aluminum
Version: White or Black (other on enquire)
Placing: Suspension system
Number of drivers: 4



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Loudspeakers

small in size, **BIG** in sound