



Superior Sound on the Seven Seas

Sailing the seas at 20 knots or moored at a big city for a week this Polish built super yacht is one of the most glamorous vessels on the ocean. Stylish in both interior and exterior appearance, it presented the perfect project for invisible loudspeakers.

This super yacht has recently been fitted with 12 invisible loudspeakers below deck to accompany the nautical interior design. Spanning three zones, they provide high clarity room filling surround sound with no visual intrusion on the exquisite interior which is why the client chose Amina Invisible Loudspeakers for their pride and joy. Most normally made unseen through a final 2mm skim coat of plaster, the Vibrational Panel Technology (VPT) utilized by Amina in its speaker design is flexible enough to be rendered invisible by other material such a leather or wood/wood veneer which is perfect for super yacht applications.

There are other advantages to using Amina Invisible Loudspeakers in such an environment, firstly, the product is very light weight, being composed of an aluminium frame and a super light weight composite soundboard (responsible for making the sound in a similar way to an acoustical musical instrument). Secondly, the product is very slim, having a depth of only 40mm so it can easily be fitted into shallow bulkhead wall structures, or ceiling voids.

VPT loudspeakers generate sound through the creation of 100's of tiny vibrations in a way analogous to how an acoustic musical instrument works such as violin or an acoustic guitar. This characteristics of the sound produced is therefore more akin to musical instruments. Directionality does not increase with frequency and the output radiates effectively hemi-spherically from the wall or ceiling right across the speakers frequency range which is typically 100Hz to 20KHz.



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For this yacht, three zones use Amina's 200mm wide, slim-line, mid-range speakers AIW350E/S200 which have 30W cont/60W peak power handling and an efficiency of 84dB 1m/2.83Vrms when fully installed with 2mm plaster or veneer/leather equivalent. The master bedroom features full surround sound via three front speakers mounted in the ceiling and covered in Alcantara artificial leather. For the rears Amina's Wood Clusters, originally design for a furniture manufacture, are built into the bedhead and veneered over as part of the overall wall and headboard finish.

The "Back Salon" has a surround sound system provided by five AIW350E/S200 fitted into the ceiling, again behind Alcantara artificial leather. The dispersive nature of VPT speakers allows the ceiling install of surround sound to be a fully immersive experience with listeners assuming speakers are in wall unless advised to the contrary. Finally Amina speakers are used for the rear channels, again ceiling mounted, in the "main salon" surround system to complete a truly stunning project.

Amina Technologies has a wide range of more and less powerful speakers suitable for a broad range of rooms and applications. The result, stunning audio with no visual intrusions to the interior design.



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