



## Steinway & Sons Marine Speaker FAQ

### Is RoomPerfect™ required with open-space speakers, such as the Marine Speaker?

In open spaces, RoomPerfect™ won't be required to take care of the typical room modes, boundary reflections, and other typical closed-room effects. However, RoomPerfect™ calibration will still lead to an overall better sound performance.

- RoomPerfect™, apart from addressing acoustical issues inside a room, also always focuses the stereo image by aligning left and right channels. This is frequently mentioned by customers and reviewers – not only solved room problems, but overall better soundstaging and imaging between the speakers. This works equally well in an outside space, where speakers and listening area usually deviate from the ideal stereo triangle.
- RoomPerfect™ aligns all speakers playing well together – no matter how many speakers and where they are placed. Non-calibrated outdoor systems simply play sound from all speakers with a rather random outcome. RoomPerfect™, together with the right speaker distance settings, will always be the more intelligent, better sounding system.
- RoomPerfect™ even without a room will still adjust the overall frequency response and sound energy in the main listening area. RoomPerfect™, together with the Voicing options, will always improve the speaker performance and lead to a better sound experience, customized for the client.
- Most outdoor areas won't meet the stereo triangle rulebook, nor fulfil Dolby / DTS speaker placement guidelines. However, very likely there's still a favorite sofa or some armchairs where the family or the owner prefers to sit. It's much better to have this seat and area covered by RoomPerfect™ in the best possible way, compared to no calibration at all.
- Swimming pool areas typically have no single listening spot in or around the pool. But first, there might still be a lounge area next to the pool to measure. Second, a RoomPerfect™ measurement roughly at the middle of the pool on water level is still better than no calibration at all.





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### How to make a RoomPerfect™ measurement in open spaces?

Actually the RoomPerfect™ process is overall easier than in closed rooms, as there are no (or less) boundaries, corners and ceilings to take care of. The key is to stay within the main listening zone.

1. Place the microphone at the main listening seat. This might not be a spot as specific as in traditional stereo or surround listening rooms, but there will be an area (sitting, standing, lying down) where people usually stay most of the time.
2. Remember that after the first focus and following room measurements, additional focus spots with other speaker distances can be stored and re-named. This can be another seat, or even a completely different listening area. (For example: Focus 1 – Patio. Focus 2 – Garden Sofa. Focus 3 – Pool Area.)
3. For the following “room” measurements, stay within the main listening area. Since an open space has no boundaries, in theory one could take endless and far out microphone positions. Stick to the obvious and avoid useless microphone positions. It’s not important to measure at the outer hedges and edges of the place, but to capture the sound field within the main listening area.
4. Prior to the RoomPerfect™ measurement, remember to type-in the actual speaker distances in the setup menu. Different distances to the left and right speakers are more common outdoors, compared to typical indoor stereo or surround rooms. The distance and time alignment is a key factor of RoomPerfect™. It will lead to an overall better (and often surprising) sound experience at someone’s favorite listening spot.