

SONISCAPE™ Outdoor Loudspeaker Systems

Basics of System Design

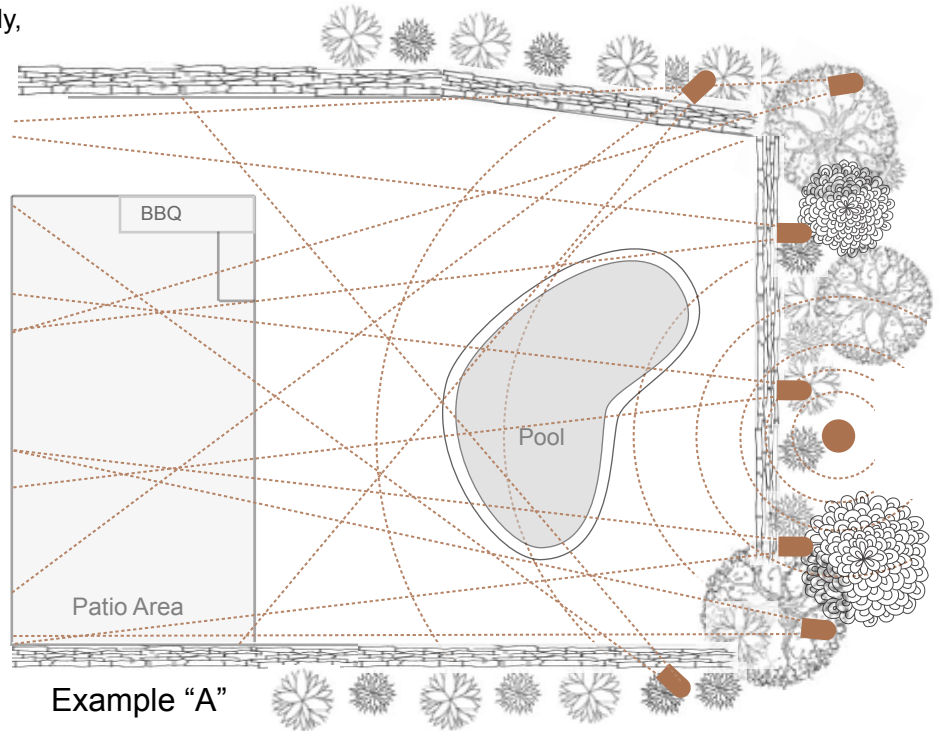
Design Services Available - Send us Your Plans

SoniScape Outdoor Systems are designed to deliver a seamless, evenly dispersed soundfield in an 'open air' environment. An array of multiple Satellights and Sub-Sonic Woofers should be strategically placed to minimize 'hot spots' and 'nulls' as you move around the outdoor entertainment area. As a general guideline, 8-10 Satellights and (1) Sub-Sonic Woofer will cover about 2000 square feet of listening area. SoniScape 70 volt systems are easily expandable.

Typically, Satellight speakers should be spaced 10-20' apart horizontally and if possible, vertically, depending upon site conditions and the approximate distance to the listening area. If the listening area is relatively small and near, say 10' away from the speakers, Satellight spacing should be minimized. For an entertainment area further away, say 50' from the Satellights, spacing may be increased to achieve the desired results.

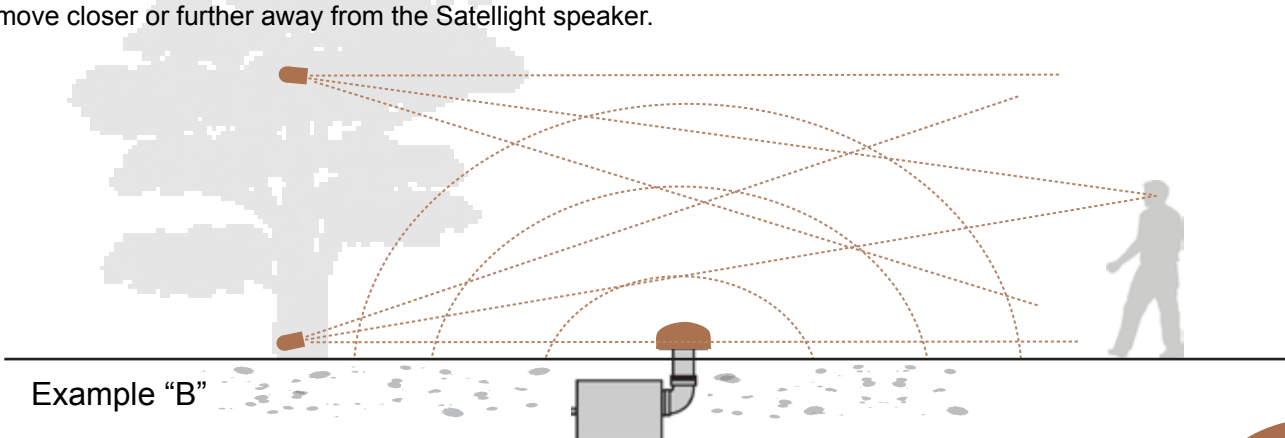
Example "A"

Shows a SoniScape System placed along the perimeter of the entertainment area. This design layout will maximize the sound projected into the desired listening area while minimizing the possibility of affecting neighboring properties.



Example "B"

Shows that setting the vertical angle of the Satellight speakers, relative to the listener's ear, is a valuable tool in 'tuning' a system to achieve consistent sound levels. All speakers put out more sound pressure on-axis than off-axis. As the speaker/listener off-axis angle increases, the sound pressure decreases. Generally, we recommend the Satellight speakers be positioned to be on-axis with the listener's ear at the furthest distance away, (say 50'), as the listener moves closer to the Satellight, (say 10'), the off-axis angle is increased dramatically. The resulting effect is a more consistent sound level as you move closer or further away from the Satellight speaker.



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