



SONANCE®

SONARRAY

**SONARRAY**  
BY SONANCE

Raising the Bar on Outdoor Entertainment



# Encompassing sound that vanishes into its surroundings.

---

## **Bring a whole new level of atmosphere and ambience to backyard entertaining.**

The SONARRAY SR1 system is a complete outdoor audio system that delivers amazing sound and perfectly-even volume levels for areas up to 2,500 - 5,000 square feet (232 - 465 square meters).

The SR1 system fully immerses outdoor spaces in perfectly balanced sound by strategically placing eight satellite speakers and a buried subwoofer around the perimeter while being hidden amongst the landscape. Now with flexibility for expansion, the SONARRAY system can cover more area with up to sixteen satellite speakers and up to two subwoofers, all on a single SR 2-125 amplifier. This optimized system approach results in breathtaking performance, and a perfect blanket of audio that does not disturb the neighbors.

The SR 2-125 DSP Amplifier has been engineered as the perfect complement to the SONARRAY SR1 landscape speaker system. The 125-watt stereo amplifier contains 20 DSP presets that allow your system to be perfectly tuned to your outdoor area. Whether your backyard is hardscape or softscape, the amplifier presets optimize the best sound and performance of the SR1 system for your outdoor environment.

The SR 2-125 includes multiple inputs enabling you to use multiple sources and streaming music devices.

In backyards and patios, the SR1's system of satellites and subwoofer, coupled with the SR 2-125 Amplifier, creates crystal clear audio emanating from everywhere, and raises the bar on affordable outdoor audio.



## Traditional Speaker Coverage

### The Basics

In typical outdoor audio installations a pair of speakers are placed in one location and usually on the same plane. The result can produce various undesirable effects:

### Uneven Volume

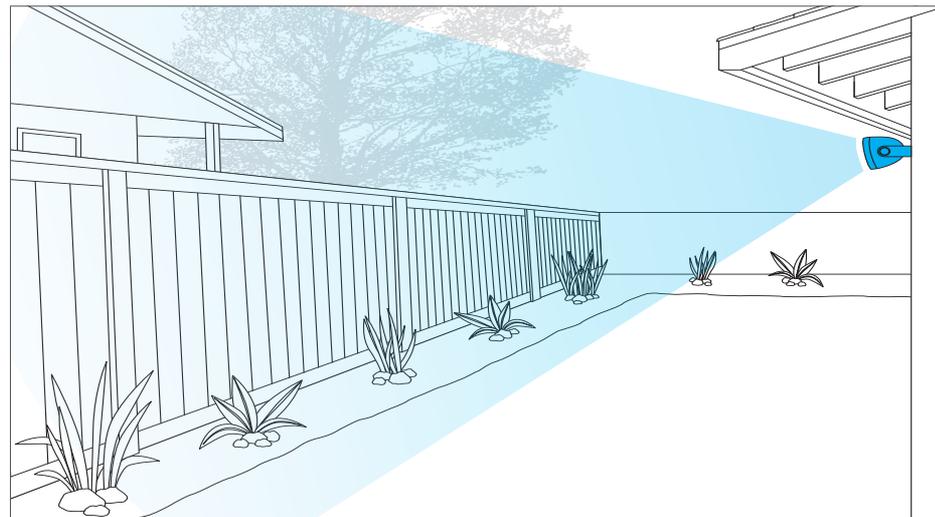
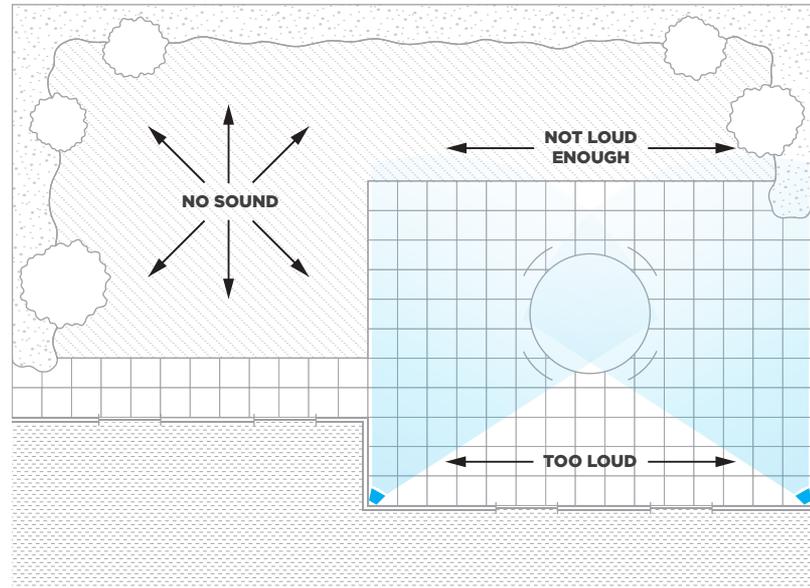
Speaker placement in one location creates very loud areas near those speakers and little to no sound further away. This can impact furniture arrangements and natural gathering areas.

### Unbalanced Coverage

It is easy to move in and out of the left and right channels and miss discrete information in the audio.

### Unwanted Noise

Audio can spill over to neighboring properties creating unwanted disturbances.



## System Speaker Coverage

### A Case for an Outdoor System

Creating a system composed of satellite speakers and subwoofers envelops a space fully in clear and balanced sound.

### Even Volume

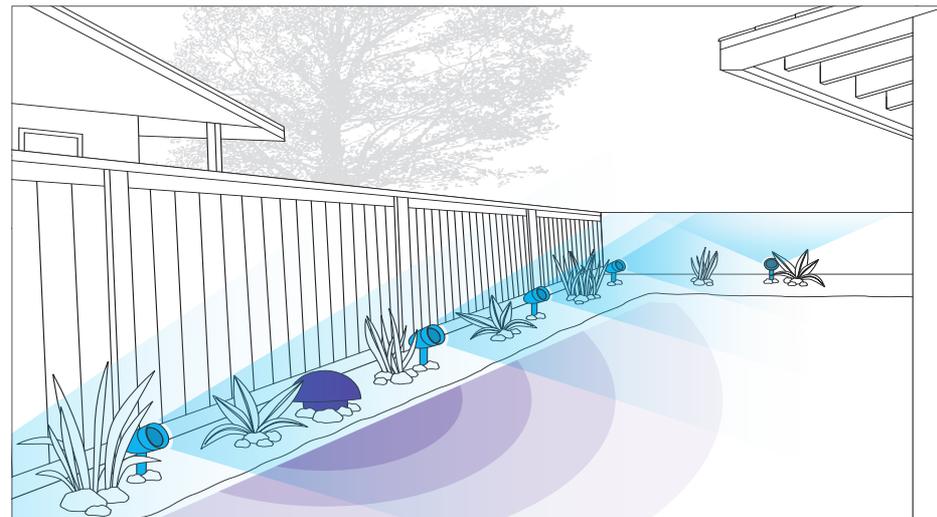
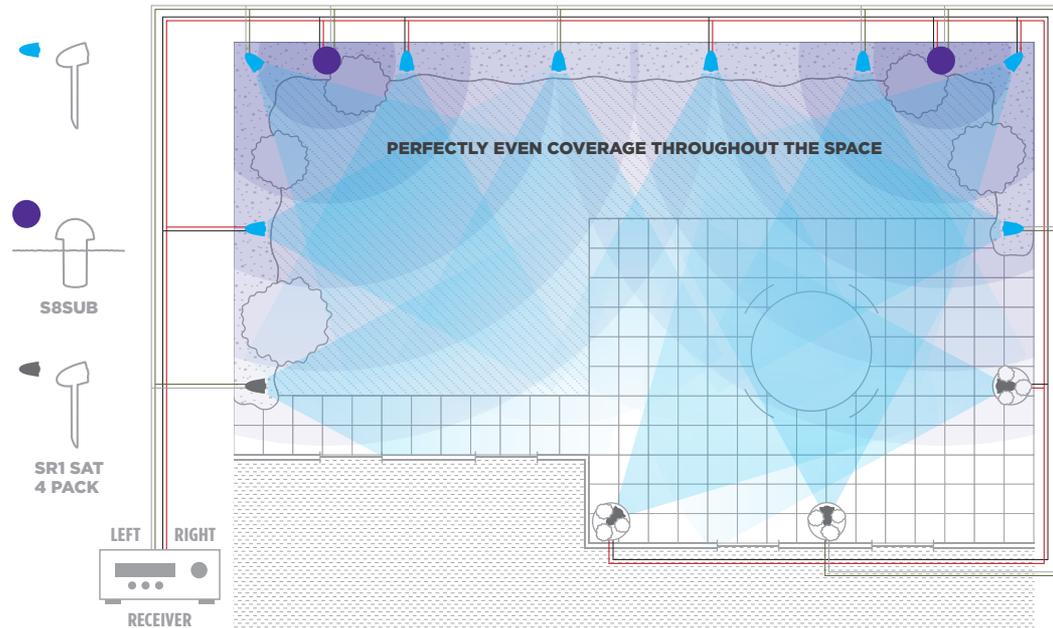
This approach is similar to great lighting that has no hot spots or dark spots, but rather provides smooth even coverage throughout the area.

### Sound from Everywhere

The SONARRAY SR1 system uses small satellite speakers and a subwoofer perfectly arranged around the perimeter of the property.

### No Disturbances

The SR1 system is positioned not to spill into surrounding properties.



Satellite Speaker



Subwoofer

## SONARRAY SR1 System with SR 2-125 Amplifier

### Easy to Install

The SR1 system runs off of a standard AV receiver or stereo amplifier. It consists of eight satellite speakers and one in-ground subwoofer that install easily into any landscape.

### Blends In

The satellite and subwoofer are finished in a neutral earth tone, allowing them to camouflage within the plants and foliage of your outdoor area.

### Withstands the Elements

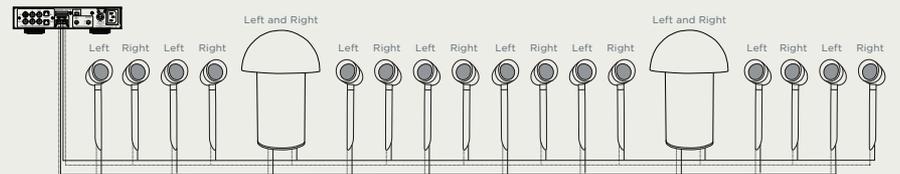
Constructed of corrosion proof composites and featuring triple sealed enclosures, the SONARRAY SR1 system can withstand whatever mother nature has to offer; from  $-20^{\circ}$  to  $190^{\circ}$  F ( $-29^{\circ}$  to  $88^{\circ}$  C).

### Purpose Built Amplification

The SR 2-125 custom built DSP presets allow for amazing audio quality to be achieved with minimal effort. The amplifier includes DSP presets for hardscape, softscape and everything in-between, allowing for high performance in a variety of outdoor applications. The SR 2-125 includes analog, digital coax, and toslink inputs enabling you to use multiple sources and streaming music devices.



### SONARRAY 16.2



# System Specifications



## SONARRAY SR1 System

- S4SAT:** 3.5" (98mm) anodized aluminum cone & Santoprene surround
- S4SAT Dimensions:** 6.5" L x 4.125" Dia. (165mm x 105mm)
- SR1 SUB:** 8" (203mm) dual voice coil, polypropylene & Santoprene surround
- SR1 SUB Dimensions:** 22" L x 15" Dia. (559mm x 381mm)
- Frequency Response:** 40Hz-20kHz +/- 3dB
- Crossover Frequency:** 100Hz
- Power Handling:** 50 watts minimum - 150 watts system\*
- Sensitivity:** 85dB and 89dB Sensitivity (satellite and subwoofer respectively), 2.83V / 1 meter
- Satellite Dispersion & Throw:** 60° dispersion with an optimum listening area 8'-20' (2.4-6.1 meters) from the satellites
- Placement Recommendations:** Satellites- 6'-8' (1.8-2.4 meters) apart along perimeter of listening area  
Woofer- The center of the 8 satellites
- Enclosure Material:** Satellites- Non-corrosive sealed enclosures  
Woofer- (HDPE) non-corrosive sealed enclosure
- Listening Area:** Up to 2,500 square feet for 8.1 and 5,000 square feet for 16.2 systems (232 - 465 square meters)\*
- Wire Recommendations:** 18 gauge – up to 100 feet (30 meters) 4 conductor, stranded, direct burial  
16 gauge – up to 150 feet (45 meters) 4 conductor, stranded, direct burial  
14 gauge – up to 250 feet (80 meters) 4 conductor, stranded, direct burial  
12 gauge – up to 400 feet (122 meters) 4 conductor, stranded, direct burial  
10 gauge – up to 650 feet (198 meters) 4 conductor, stranded, direct burial

\*Depending on property layout



## SONARRAY SR 2-125 Amplifier

- Number of Channels:** 2 (1 stereo pair)
- Power Output - 8 ohms:** 125 Watts RMS per channel (both channels driven)
- Power Output - 4 ohms:** 200 Watts RMS per channel (both channels driven)
- Frequency Response:** 5Hz - 50kHz, bandwidth limited
- Total Harmonic Distortion:** 0.07% (1kHz, 8 Ohms)  
0.06% (1kHz, 4 Ohms)
- Signal to Noise Ratio:** -100dB (20Hz-20kHz)
- Input Gain:** 29dB
- Input Sensitivity:** 100mV for 1 Watt Output @ 8 Ohms  
110mV for 125 Watts Output @ 8 Ohms
- Input Impedance:** 20k Ohms
- Loop Output Impedance:** 600 Ohms
- Maximum Analog Input Voltage:** 2.9V VAC RMS
- Operating Voltage:** 100-120V@60Hz, 220-240V@50Hz
- AC Fuse:** 5A (T5AL - 250V)
- Rack Space Requirement:** 1U – 1/2 Rack Width
- Dimensions w/ Feet (W x H x D):** 8 5/8" x 2 1/8" x 16 13/16" (219mm x 54mm x 427mm)
- Dimensions w/ Rack Ears w/o Feet (W x H x D):** 19" x 1 3/4" x 16 13/16" (482mm x 44mm x 427mm)
- Shipping Weight:** 11 lbs (5.0kg)

## SONARRAY SR1 System NOW EXPANDABLE

- 8 Satellite Speakers + 1 In-Ground Subwoofer
- 8 Ohm impedance matched system
- Perfectly even coverage up to 2,500 square feet to 5,000 square feet\*

\*Depending on property layout



SR1 System with SR 2-125 Amplifier  
SKU 93134



SR1 System  
SKU 92983



SR1 SAT 4 Pack  
SKU 93405



SR1 SUB  
SKU 93139



**SONARRAY**  
BY SONANCE

SONARRAY is a licensed registered trademark of Ambisonic Systems LLC; Sonance is a trademark of Dana Innovations, registered in the U.S. and other countries. Copyright 2018, all rights reserved. Patent pending. Due to continuous product improvement, all features and specifications are subject to change without notice.

33-7481 rev. b 03.09.18 SONANCE