



SONARRAY

SONARRAY

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.

Introducing the SONARRAY SR1 system, a complete outdoor audio system that delivers amazing sound and perfectly-even volume levels for areas up to 2000 square feet (186 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. 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 compliment 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

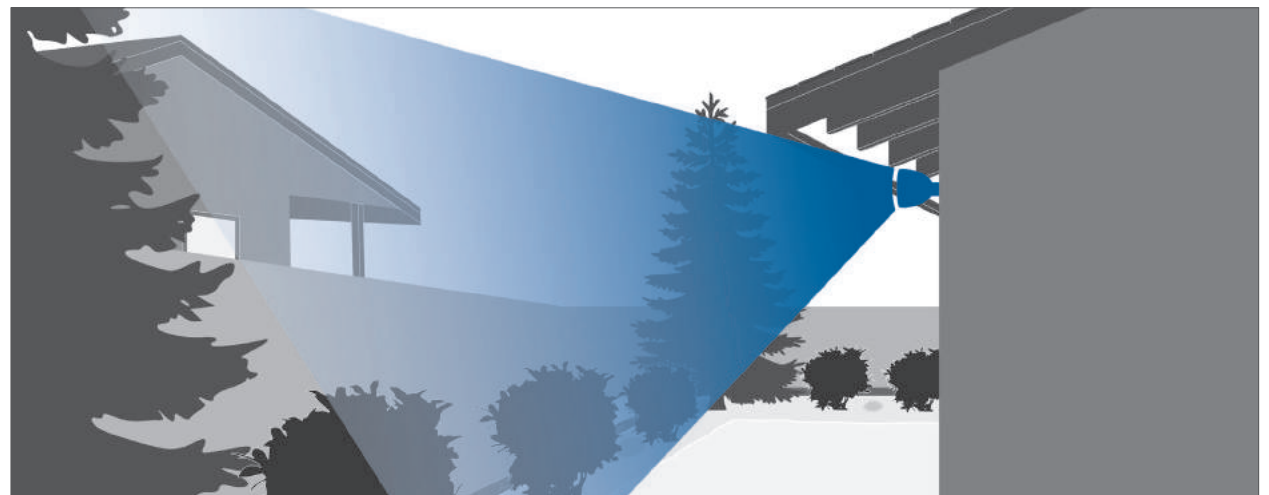
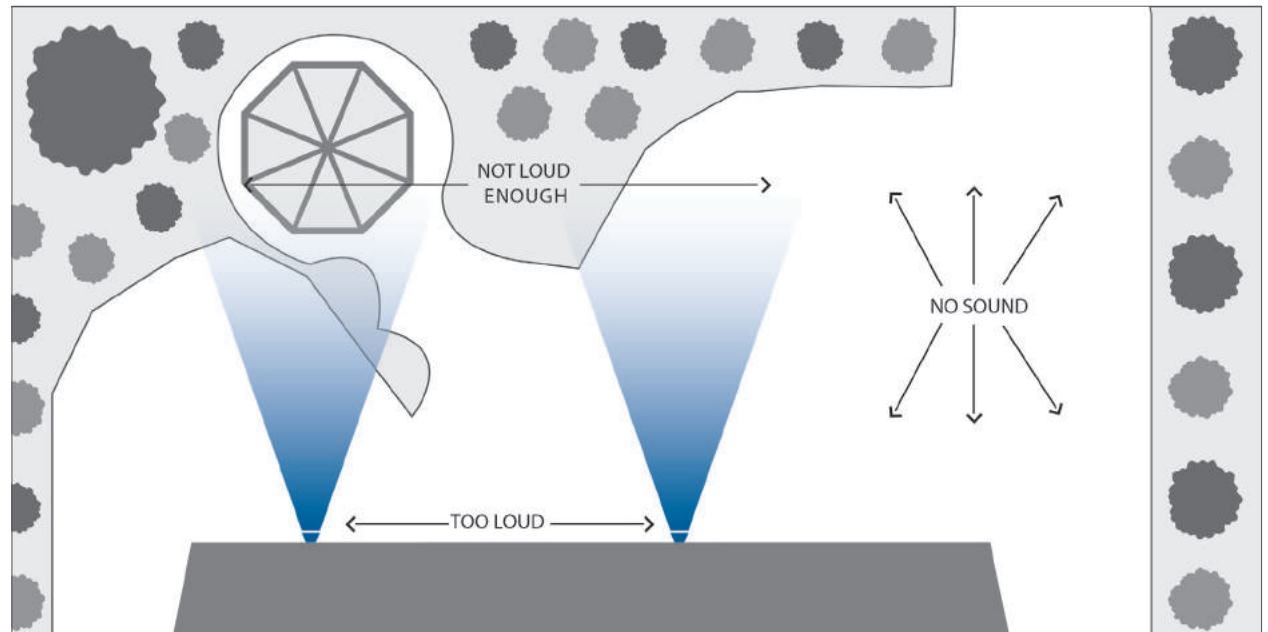
Speaker placement in one location creates very loud areas near those speakers and little to no sound further away. This can impact furniture arrangements and natural gathering areas.

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

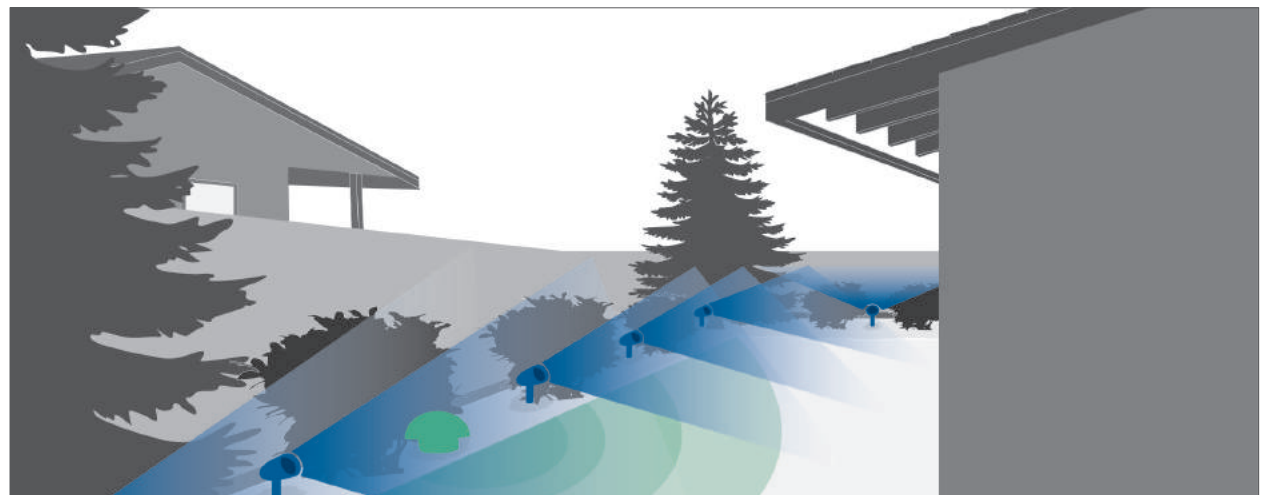
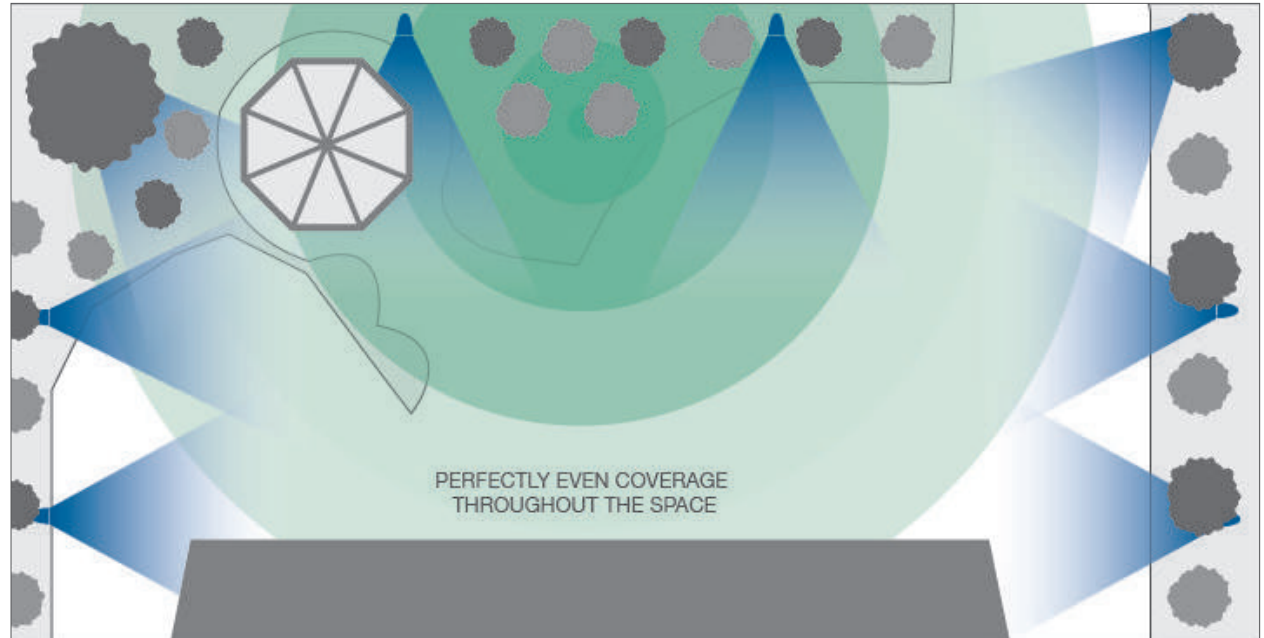
This approach is similar to great lighting that has no hot spots or dark spots, but rather provides smooth even coverage throughout the area.

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° to 190° F (-29° to 88° 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 SR1 System

S4SAT (Quantity 8):	3.5" (98mm) anodized aluminum cone & Santoprene surround
S4SAT Dimensions (L x D):	6.5" x 4.125" (165mm x 105mm)
S8SUB (Quantity 1):	8" (203mm) dual voice coil, polypropylene cone & Santoprene surround
S8SUB Dimensions (L x D):	22" x 15" (559mm x 381mm)
System Impedance:	8 ohms per channel nominal
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



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 1110mV for 125 Watts Output @ 8 ohms
Input Impedance:	20k ohms

System Specifications

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
Included Accessories:	Eight ground stakes, 24 silicone filled wire nuts
Listening Area:	Up to 2000 square feet (186 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

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)

