

SONANCE

OMNI-6T APPLICATION NOTES

SPEAKER PLACEMENT GUIDELINES



OVERVIEW

The Sonance OMNI-6T In-Ground Omnidirectional Speaker utilizes a unique, perimeter-firing driver array paired with an up-firing 6.5" woofer in a discreet, weatherized housing. Exceptional omnidirectional coverage is achieved while maintaining fidelity throughout the midrange and treble via direct radiation of the four wide-band canopy drivers. With the addition of a sealed woofer firing upward and through the speaker's canopy grille, true full-range response is attained with even, broadband omnidirectivity. The small form-factor, earth-tone brown enclosure makes this outdoor speaker remarkably easy to hide in landscaping environments, against soil/mulch, and in the shadows of foliage. Bury the OMNI-6T for optimal performance and security or anchor above ground for hardscape applications (stainless steel mounting hardware not included). An internal 70V/100V high-output transformer allows installation in sprawling properties—especially commercial projects. A side-accessible tap switch provides easy switching between transformer taps and can be bypassed for low-impedance (8 ohm) operation.

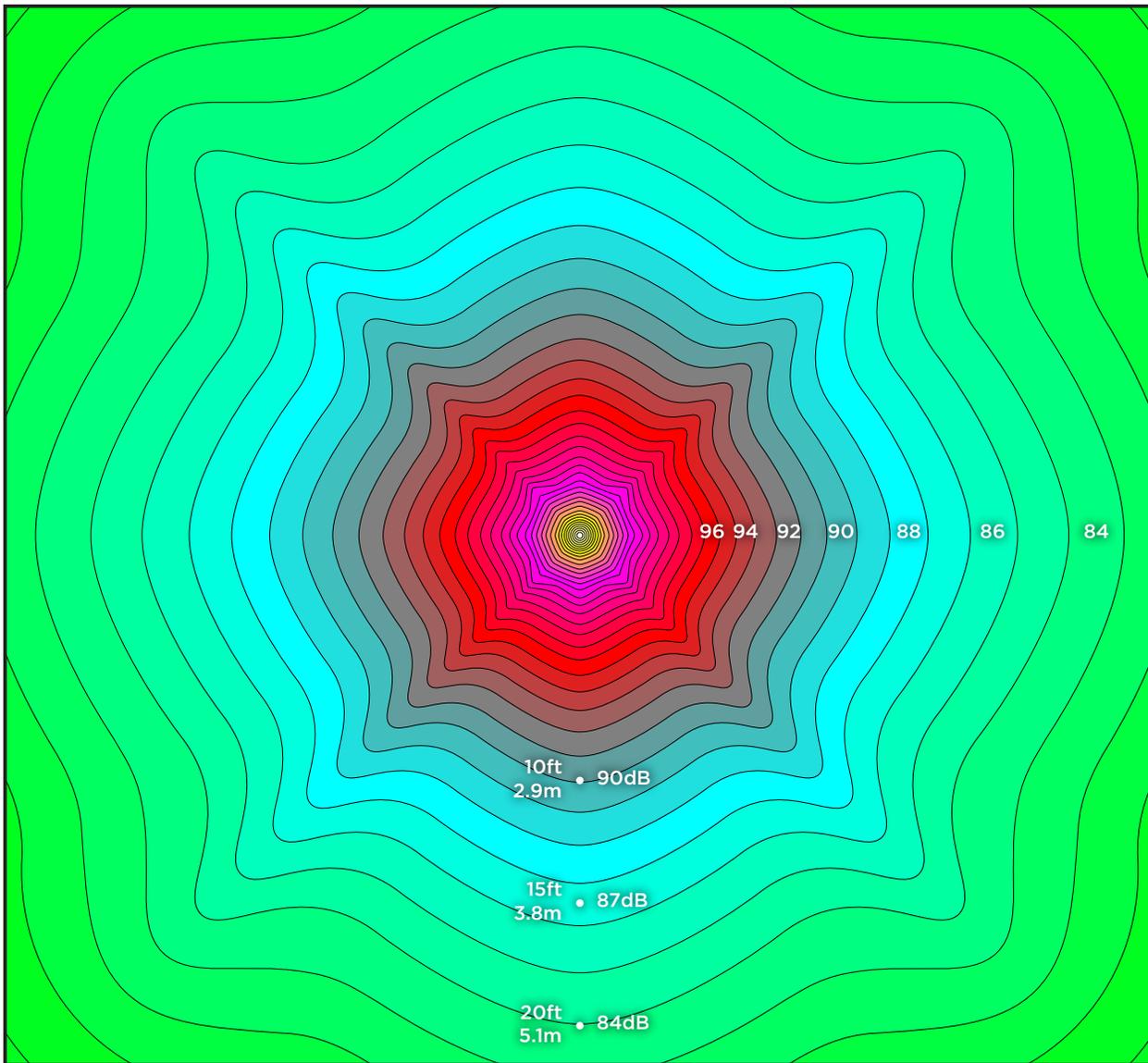
APPLICATION

The Omni-6T is designed to deliver a seamless, 360 degree omnidirectional sound field in an open air environment. An array of multiple speakers should be strategically placed to minimize 'hot spots' and 'nulls' as you move around the outdoor entertainment area. Recommended placement of the Omni-6T speakers is every 10-15 ft (3-4m) around the listening area for ideal coverage. The shorter spacing is recommended for higher SPL and closer listening applications. Minimum spacing is every 30 ft (7.5m) but may result in non-optimal coverage.

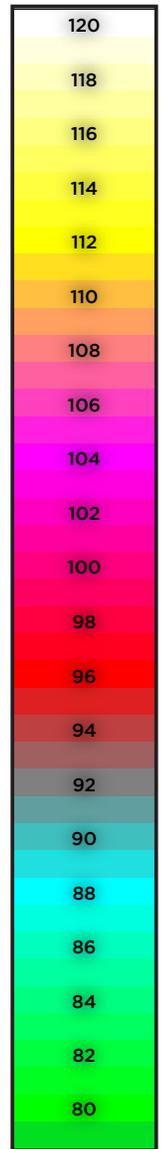
SPL BY DISTANCE AND TAP SETTING				
Distance in Feet	80W / 8 OHM	40W	20W	10W
10 Feet (2.9m)	90 dB	87 dB	84 dB	81 dB
15 Feet (3.8m)	87 dB	84 dB	81 dB	78 dB
20 Feet (5.1m)	84 dB	81 dB	78 dB	75 dB

OMNI-6T SPECIFICATIONS	
Frequency Response	60Hz - 20kHz
Power Capacity	120 Watts Continuous Program Power
Nominal Sensitivity	88 dB
Nominal Coverage Angle	360 Degree Horizontal, 160 Degree Vertical
Rated Maximum SPL	107dB @ 1 Meter (3.3 feet) Average, 133dB Peak

SPL HEAT MAP - 80W TAP SETTING



DECIBELS



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