

# SquareRoot™ 6.5

SQUAREROOT™  
6.5



## Specifications: SquareRoot™ 6.5

## Mounting hardware included

Nominal Impedance	4 ohm
Impedance (min)	4 ohm
Sensitivity dB @ 2.83V/1M	92 dB
Sensitivity dB @ 1W/1M (2)	89 dB
Frequency Response ( $\pm 3$ dB)	76 Hz - 19.5 kHz
Frequency Response ( $\pm 10$ dB)	65 Hz - 20 kHz
Max. Program Power	140W
Max. Continuous Power RMS	70W
Max. Power SPL @ 1 M	107.5 dB
Tap Selector	Wire Leads
Transformer Options	25/70.7/100 V
Transducer - Low Frequency Driver	6.5" Coax
Transducer - High Frequency Driver	.75" Dome
Colors	Gray Granite or Terra Cotta
Tweeter - part	.75" Dome
Inputs	Wire Leads
Height (SM = Height)	431.8 mm / 17"
Diameter (SM = Width)	431.8 mm / 17"
Weight	6.35 kg / 14 lb
Shipping Weight	7.3 kg / 16 lb
Regulatory - CE	approved
Regulatory - RoHS	approved

## Applications

Use the SquareRoot™ 6.5 in gardens, patios, pool areas, restaurants, shopping malls, courtyards or theme parks.

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## Key Features

- One coaxial 6.5 inch (165.1 mm) weather resistant driver and one 1.0 inch (25 mm) weather resistant tweeter delivering 360 ° of dynamic audio
- UV, scratch, chlorine and weather resistant enclosure with professional grade components for long-lasting performance and durability.
- Planter design with a 508 mm (20 in.) diameter bowl designed to accommodate live plants and allow for drainage.
- Constructed of rotation-molded, UVstable polyethylene.
- Color options: gray granite or terra cotta granite
- Optional accessories: 64 Watt 70/100 volt transformer.

## Description

A fully functional 20 inch (508 mm) square planter with drainage holes, the SquareRoot™ 6.5 is an omnidirectional 2-way speaker as well. It includes a 6.5" coax woofer and .75" dome tweeter. An optional 64 watt transformer is available for installation of the SquareRoot™ in 70 volt

systems. SquareRoot™ planters are constructed of UV-stable, rotation-molded polyethylene and are available in two colors.

## Applications

Use the SquareRoot™ 6.5 in gardens, patios, pool areas, restaurants, shopping malls, courtyards or theme parks.

## Patented Rockustics Technologies

Rockustics and MSE Audio constantly develops new technologies that enhance audio product performance. Rockustics innovations are protected by multiple U.S. and international patents. MSE Audio actively defends its patents in order to protect Rockustics resellers and end users.

## Patented Rockustics Technologies

Rockustics and MSE Audio Group constantly develop new technologies that enhance audio product

performance. Rockustics innovations are protected by multiple U.S. and international patents, which explicitly cover Rockustics dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect Rockustics resellers and end users.

## Technical Data and Specification Tools

### Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at [www.soundtube.com](http://www.soundtube.com). Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

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## Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWA Labs ([www.nwaalabs.com](http://www.nwaalabs.com)) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

## Architectural Specifications

The loudspeaker shall be a coaxial planter design consisting of one 165.1 mm (6.5 in) low-frequency transducer and one 19 mm (0.75 in.) high-frequency transducer. The low frequency voice coil diameter shall be 25 mm (1.0 in). Performance specifications of a typical production unit shall be as follows: Usable frequency response shall extend from 76 Hz - 19.5 kHz. Measured sensitivity (2.83 Volt input, 1 meter) shall be at least 92.0

dB. The loudspeaker shall have a nominal impedance of 4 Ohms. The enclosure shall be constructed of a Rotation-molded, UV stable polyethylene. Color options shall be gray granite or terracotta granite. All transducers and network circuitry are weather resistant and ship in a sealed enclosure. The external wiring input connector shall be hardwire leads. The overall planter dimensions shall be no more than 508 mm (20 in) in diameter by 431.8 mm (17 in) in height. The unit shall weigh no more than 6.35 kG (14 lbs). The system shall be the SquareRoot™ 6.5 for both low and high impedance applications.

### Rockustics

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All SoundTube products come with a 5-year limited warranty.