



Preliminary Specification: OmniPlanter 6.5

System Type	6.5" coaxial, planter speaker (optional 64 Watt transformer available)
Impedance (nominal)	4 Ohms (nominal)
Sensitivity dB @ 2.38 V/1m ³	92 dB
Frequency Response (-10 dB) ¹	76 Hz - 19.5 kHz
Transducer - Low-Frequency Driver	165.1 mm (6.5 in.)
Transducer - High-Frequency Driver	19 mm (0.75 in.) mylar dome tweeter
Low-Frequency Voice Coil	25 mm (1 in.)
Enclosure Material	Rotation-molded, UV-stable polyethylene
Inputs	Wire lead
Color Options	Gray granite or terra cotta granite
Diameter	508 mm (20 in.)
Height	431.8 mm (17 in.)
Weight	6.35 kg (14 lbs.)
Included Accessories	N/A
Optional Accessories	64 Watt transformer
Packaging	1 Per box
Regulatory - CE	Approved
RoHS	Approved

¹ Frequency response is measured in half space

² Continuous power rating, EIA-426-B test

³ 2.83 Volts at a distance of 1 meter.

Key Features

- One coaxial 6.5 inch (165 mm) polypropylene driver with butyl rubber surround and one 0.75 inch (19 mm) mylar dome 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, UV-stable polyethylene.
- Color options: gray granite or terra cotta granite
- Optional accessories: 64 Watt 70/100 volt transformer

Description

The Rockustics OmniPlanter 6.5 is a premium 2-way outdoor loudspeaker solution that doubles as a 20 inch (508 mm) diameter planter designed to accommodate live plants and allow for drainage. The OmniPlanter 6.5 is designed to provide a full 360 degrees of audio coverage. The planter is constructed of rotation-molded, UV-stable polyethylene, designed to withstand rain, frost, snow and ice.

Applications

The OmniPlanter 6.5 is an ideal choice for theme parks, promenades, playgrounds, shopping malls, restaurants, resorts, gardens and other outdoor applications requiring omnidirectional sound. OmniPlanter speakers take advantage of an optional 64 Watt transformer (request prior to order) for use in commercial applications.

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.

Technical Data and Specification Tools

Technical Data

Rockustics strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from Rockustics or at www.rockustics.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

Data Acquisition and Verification

All performance data acquired within MSE Audio are analyzed using a variety of standard measurement techniques, including Measured Length Sequence (MLS) and Time Delay Spectrometry (TDS). Performance, development, and data acquisition tools include: Gold Line TEF 20, CLIO, LMS, LEAP, and proprietary modeling software. EASE™ data are acquired through an automated CLIO/Outline/EASE™ interface.

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.) tweeter. The low-frequency voice coil diameter shall be 25 mm (1 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 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 terra cotta 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 OmniPlanter 6.5 for both low and high impedance applications.

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All Rockustics products come with a 10-year limited warranty.

