



Please read the following instructions carefully before installing your Rockustics® Planter speaker. If you have any questions regarding installation that are not answered in the following directions, please contact your local sound contractor or the Rockustics®/MSE Audio® technical support team.

Basic Wiring & Set Up

1) (Diagram A) Locate the speaker wires on the underside of the planter. If necessary, trim the wire to the appropriate length and strip the wire ends. Use the supplied silicone wire nut to connect the positive (red) leads of the speaker and input wires. Repeat this step with the negative (black) leads. Rockustics recommends using 14ga or heavier direct burial cable for the connection between the amplifier and the speakers.

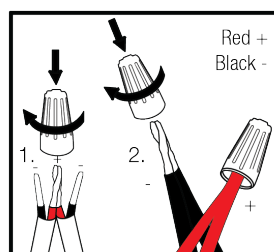


Diagram A



Diagram B

2) (Diagram B) Fill planter with pea-gravel to approximately 2" above the black insert box to ensure proper drainage. Gently rock the planter from side to side so that gravel fills in the gaps, providing ample coverage of the black insert box. After filling with pea-gravel, top with soil, and continue planting as you would any normal planter. Be sure to use the proper amount of pea-gravel and soil to fill the planter; the soil and gravel are important to the acoustic properties of the planter and will assist with bass reproduction.

NOTE: The provided wire nuts are meant for permanent installation use only. If you are temporarily wiring the speakers, do not use these wire nuts. In the event you have used the wire nuts and need to re-wire your system, do not attempt to unscrew the nuts. Instead, clip the wires below the nut, and follow the steps in the [Basic Wiring & Set Up](#) section with a new pair of waterproof wire nuts (these are available at most hardware stores).

Optimizing Speaker Placement for Best Sound

All Rockustics speakers can generate a high SPL (sound pressure level). Be ready to rock, but be considerate of your neighbors! Maximum acoustic performance should be an important factor in determining speaker placement. Here is how to achieve it:

- 1) Establish where the most likely or average listening position will be.
- 2) The speakers should be placed at or close to the same distance from that point.
- 3) The actual distance between the listening position and the location of the speakers is not critical. However, keep in mind that as the distance between listening area and speaker is increased, there will be a noticeable decrease in perceived volume.
- 4) Be sure to confirm amp power matches the power rating on the speaker. Over-driving the speaker can lead to permanent damage that is not covered under warranty.



Audio coverage patterns vary depending on the type of speaker (Diagram C):

Planter models provide omnidirectional coverage and are better suited for full 360 degree audio. Use these models on the interior of your listening area where coverage is required all around the speaker.

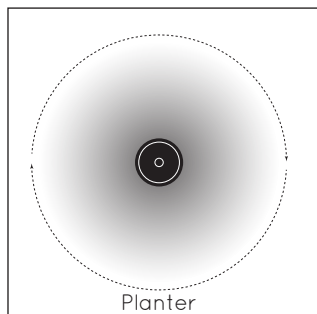


Diagram C

Cautions and Maintenance

All Rockustics speakers are sealed and fully weatherproof. However, DO NOT place speakers where the speaker will be in the path of a sprinkler system. Sprinklers typically have a high water pressure level that can damage speaker cones if hit directly.

(Diagram D) DO NOT place soil or wood chips between the planter urn and base, where the speaker grille is located. If the grilles accumulate a build up of soil, the speaker may become damaged. Accumulated soil may also promote undesired insect traffic into the speaker. Insects may eat through the rubber of the speaker surround. Chemical sprays may also cause damage to the rubber of the speaker surround. This includes bug spray, deck sealant, some fertilizers and oil based products. Speakers MUST be covered when applying these treatments or chemicals in your yard.

For environments that get snow and ice during the winter months, be sure to check that the openings and woofer cone are clear and there is no hard-packed snow or ice built up in these areas before playing. If there is ice or snow present on the cone, use a hair dryer set on a low setting to melt it away. If the speakers are not going to be used during winter months, it is recommended that they either be disconnected and brought indoors, or covered with a plastic bag to help protect the speaker components.

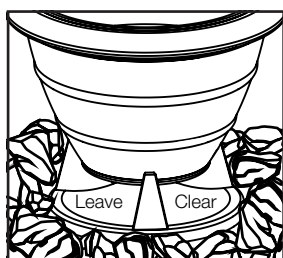


Diagram D

Wiring for 70V/100V Applications

For speakers with transformers, use Diagram E to find the proper wire selection for your desired tap setting. Once the desired tap setting is confirmed, trim the unused wires to minimize corrosion. For harsh and wet environments, it is recommended to apply a bead of silicone to the end of the unused wires for added protection.

If daisy-chaining, follow wire preparations as outlined in the Basic Wiring & Set Up section. Review Diagram F for a typical daisy-chain wiring system for 70V and 100V applications. Be sure to connect the wires going to the next speaker in the chain as shown in Diagram G. There should be three pairs of wires at each speaker, but the last speaker in the chain will only have two pair. Follow standard protocol for polarity and make sure all units are wired with the same polarity.

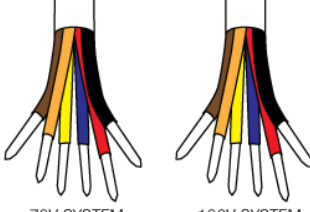
64 W 120 W						64 W 120 W		
Black-	GND	GND				Black-	GND	GND
Red-	64 W	120 W				Red-	N/A	N/A
Blue-	32 W	60 W				Blue-	64 W	120 W
Yellow-	16 W	30 W				Yellow-	32 W	60 W
Orange-	8 W	15 W				Orange-	16 W	30 W
Brown-	4 W	7.5 W				Brown-	8 W	15 W
			70V SYSTEM			100V SYSTEM		

Diagram E

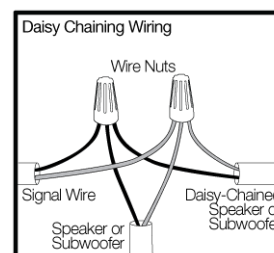


Diagram F

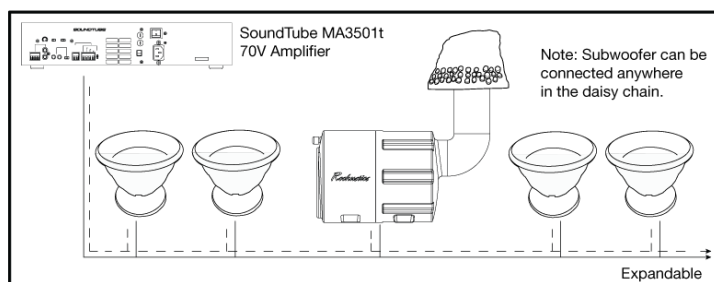


Diagram G

**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.

MSE Audio

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



Rockustics®

Warranty Information

8005 W. 110th St., Suite 208 | Overland Park, KS 66210



To register this product under warranty, go to:
www.mseaudio.com/product-registration/

Rockustics® warrants its loudspeakers to be free from defects in material and workmanship for a period of ten (10) years and amps to be free from defects in material and workmanship for a period of three (3) years from the date of purchase to the original purchaser. Purchase must be made from an authorized Rockustics dealer.

This warranty does not cover service or parts to repair damage caused by misuse, abuse, damage while in transit, alterations, unauthorized repairs, failure to follow instructions, fire, flood, or any other cause beyond the reasonable control of Rockustics. Defects in speaker cabinets must be brought to the attention of your dealer immediately after purchase.

To obtain warranty service, the defective product must be shipped in its original carton or equivalent together with original invoice or bill of sale, insured and prepaid to your authorized Rockustics dealer or to the factory when warranty service is requested. If you choose to return the defective product to the factory you must first call the number below or email to obtain a Return Authorization number prior to shipping:

Call: 913.663.5600 | Email: returns@mseaudio.com

The product repaired under this warranty will be returned to you freight collect.

Rockustics will not pay for loss of time, inconvenience, loss of use or property damage caused by your speaker product or its failure to work, or any other incidental or consequential damages. Some states do not allow the exclusion or limitation for consequential damages, so the above limitation may not apply to you.

