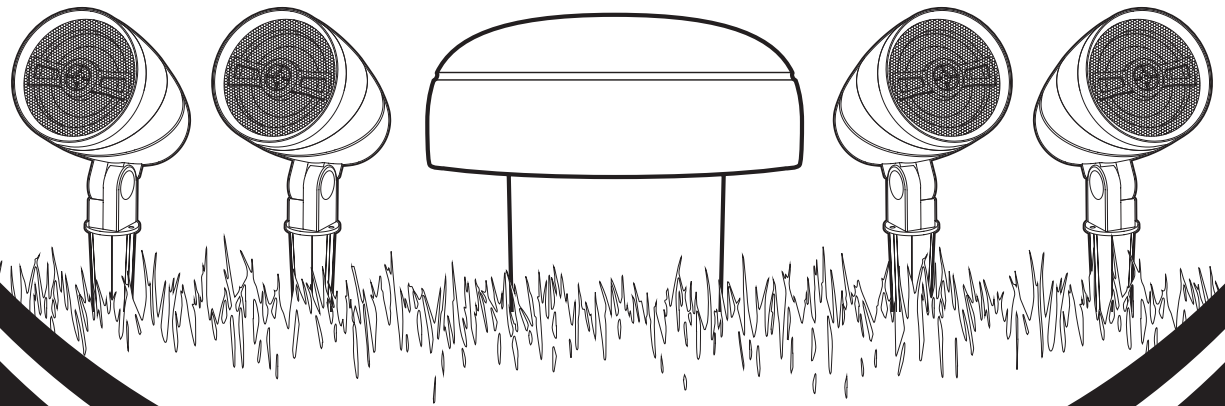




RED4LAND

Landscape Audio System

Product Manual



www.redatomproducts.com

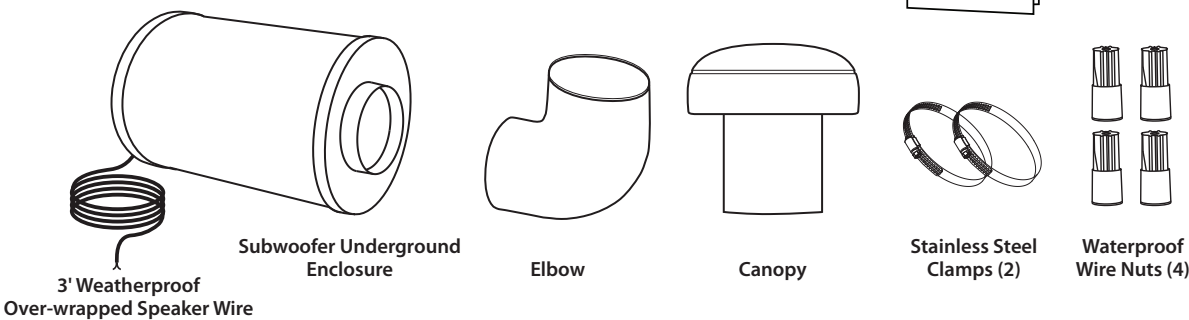
Introduction

Thank you for your purchase of the **Red Atom RED4LAND Landscape Audio System**. You have made a great investment in an outdoor audio system that will bring you many years of enjoyment. The components in this system are made to withstand the harshest weather conditions.

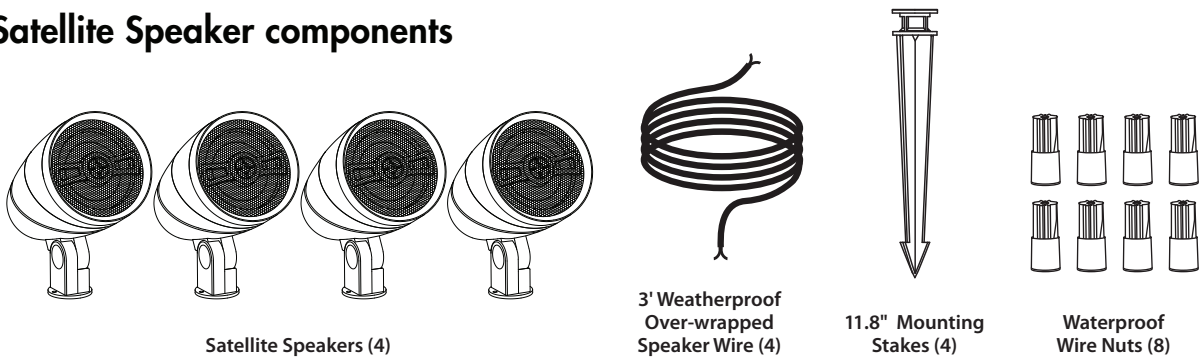
This system is designed to work well with most 2-Channel Receivers or Amplifiers. Four (4) Satellite Speakers and one (1) Dual Voice Coil Subwoofer come with the system. The system can be expanded by combining with an additional **Red Atom RED4LAND Landscape Audio System**.

We strongly recommend that you use only our Satellite speaker to connect to this system. Most other brand speakers are not the correct impedance and could easily damage your audio equipment.

THIS BOX CONTAINS: In-Ground Subwoofer components



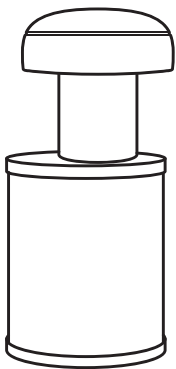
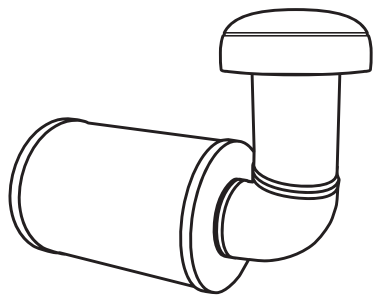
Satellite Speaker components



Specifications

In-Ground Subwoofer:

- 10" Dual VC Long Throw Driver PP Waterproof Cone with Rubber Surround
- Magnet Structure: 33 oz.
- Impedance: 8Ω
- Power Handling: 200W @ 8Ω
- Freq. Response: 40 - 85Hz ±3dB
- SPL : 90 dB @ 1w/1m
- Bass Chamber made of PVC
- Tuned Port with Flexible Rubber Elbow
- Top Hat made of ASA material that will withstand the harshest weather conditions
- Overall Dimensions: 12.68" x 16.54"



In-Ground Subwoofer can be mounted horizontally or vertically

Satellite Speaker:

- 4" PP Waterproof Cone with Rubber Surround
- Tweeter: .75" Marine Grade PEI Tweeter
- Frequency Response: 80Hz -20kHz
- SPL: 87 dB @ 1w/1m
- Recommended Power for 8Ω System: 100W RMS
- Made of ASA Material to withstand harsh weather conditions
- Comes with 11" Ground Stake
- Dimensions: 5" diameter x 7.6"L x 7.7"H (without stake)

Installation Recommendations

Speaker Wire Recommendations:

Always use multi-strand 2 or 4 conductor direct burial wire designed for speaker connections to the amplified audio source (AVR, multi-channel amplifier or other). Use this chart to select the minimum wire gauge for the length of the run needed for the installation.

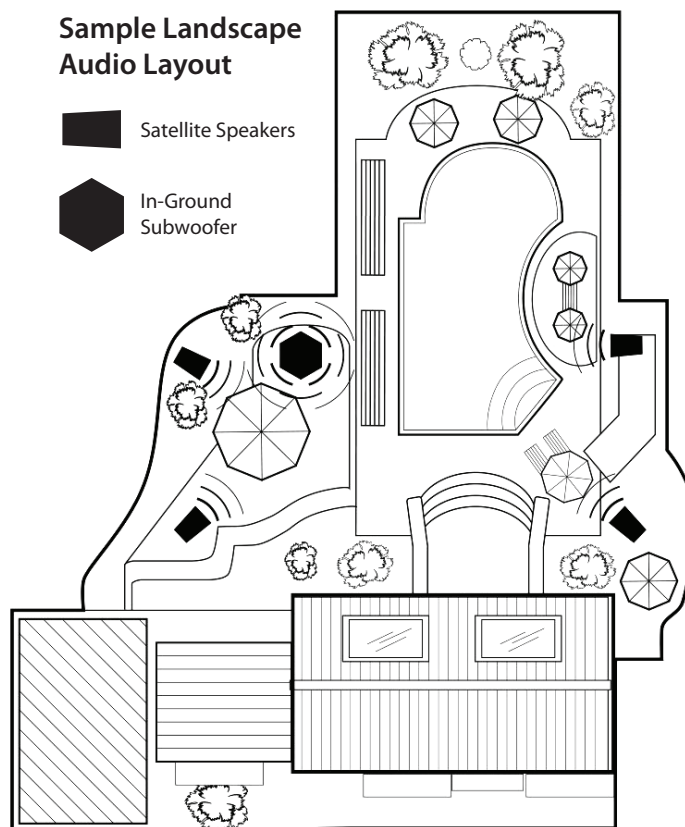
Max. Wire Length in feet	Recommended Gauge
100	18
150	16
250	14
400	12
650	10

Installation Recommendations (cont.)

The Satellite Speakers & Subwoofer should be placed evenly so the sound will be distributed throughout your landscape area. Planning the exact locations of each speaker along with the direct burial wire prior to digging is the best plan.

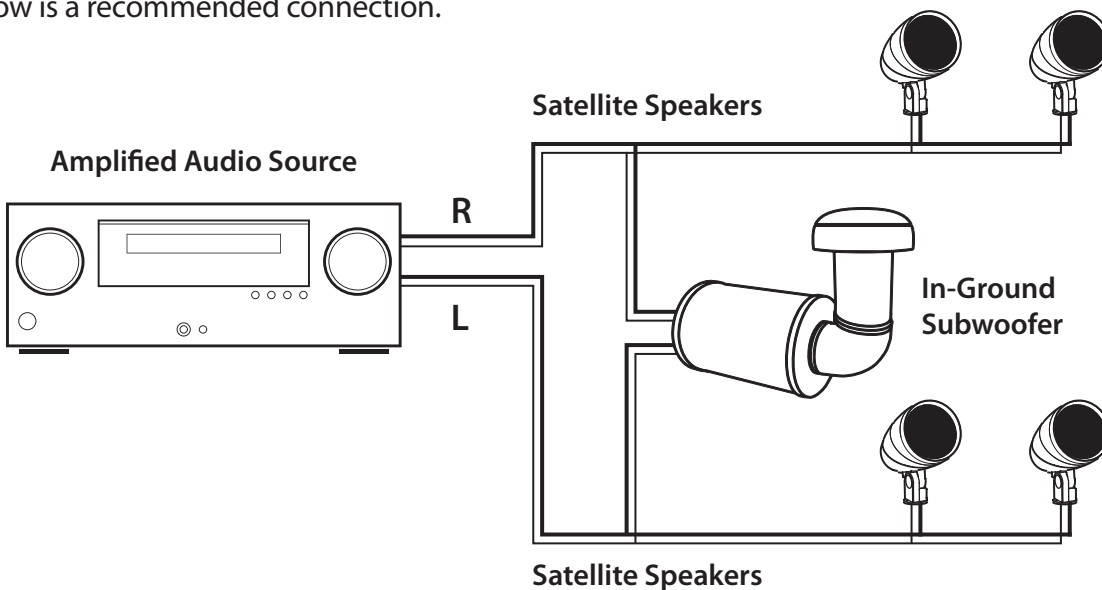
It is recommended that the Satellite Speakers be placed 6 to 8 feet apart, and no more than 10 feet for the best listening experience. Noted here is an example of a landscape audio layout.

The ideal position for the Subwoofer would be in the center of the Satellite Speaker arrangement. Bass response is enhanced if placed next to a wall or solid surface



Wiring Plan

The Satellite Speakers and Subwoofer should be connected in two parallel wire runs and buried in a single trench. The Red Atom Landscape Audio System is designed for speakers to be evenly divided between two wire runs with the Subwoofer connected to both. Below is a recommended connection.



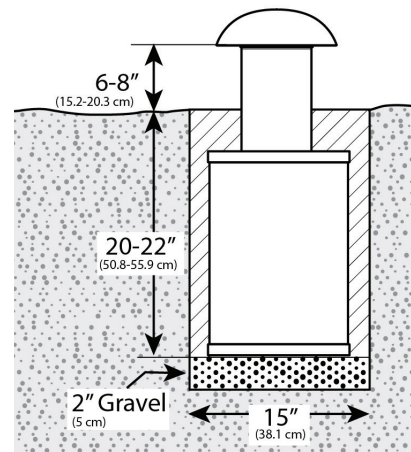
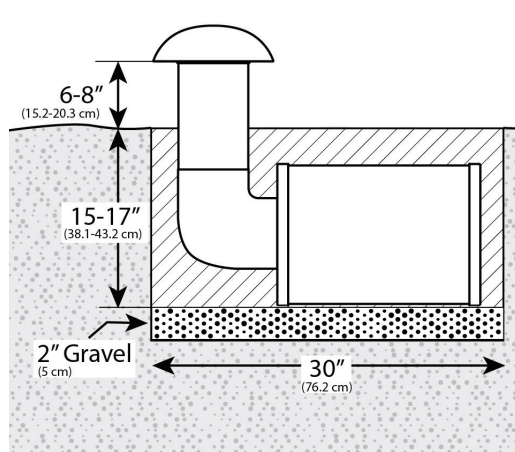
Installation

Position the Satellite Speakers and Subwoofer in your selected location. Adjust them accordingly where they would appear to give you the best sound coverage.

We recommend that you first dig a hole for the Subwoofer. It can be installed vertically or horizontally. Once chosen, dig a hole a size that would accommodate it. If installed horizontally, the hole would need to be approximately 15" Wide x 30" Long x 17-19" Deep. This will leave approximately 6-8" of the Subwoofer port tube and cap above the ground after the installation. We suggest that you add 1-2" of gravel at the bottom of the hole to facilitate drainage around the base of unit. If you do add gravel, dig the hole 1-2" deeper to accommodate the layer of gravel.

Dig a 5" deep trench where you plan to lay out the wire. It's a good idea to use the same 5" trench for all of the wire.

Prior to digging, we recommend that you call 811 or 888-344-7233 in the United States. A person will come out and mark all the underground cables & gas line if applicable.

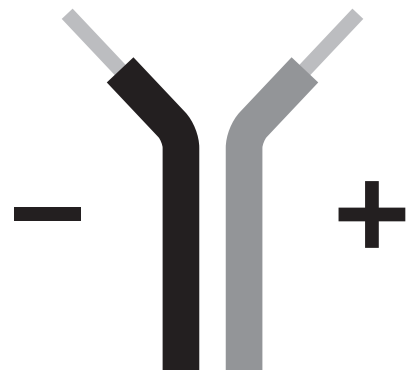


Wiring

We recommend that you use only multi-strand direct burial wire. The gauge of the wire will depend on the length of the run. This is noted on Page 3 of this manual.

The positive and negative wires are noted by red (+) for Positive and black (-) for Negative.

Your Audio Source, Satellite Speakers & Subwoofer all use red for Positive & black for Negative.



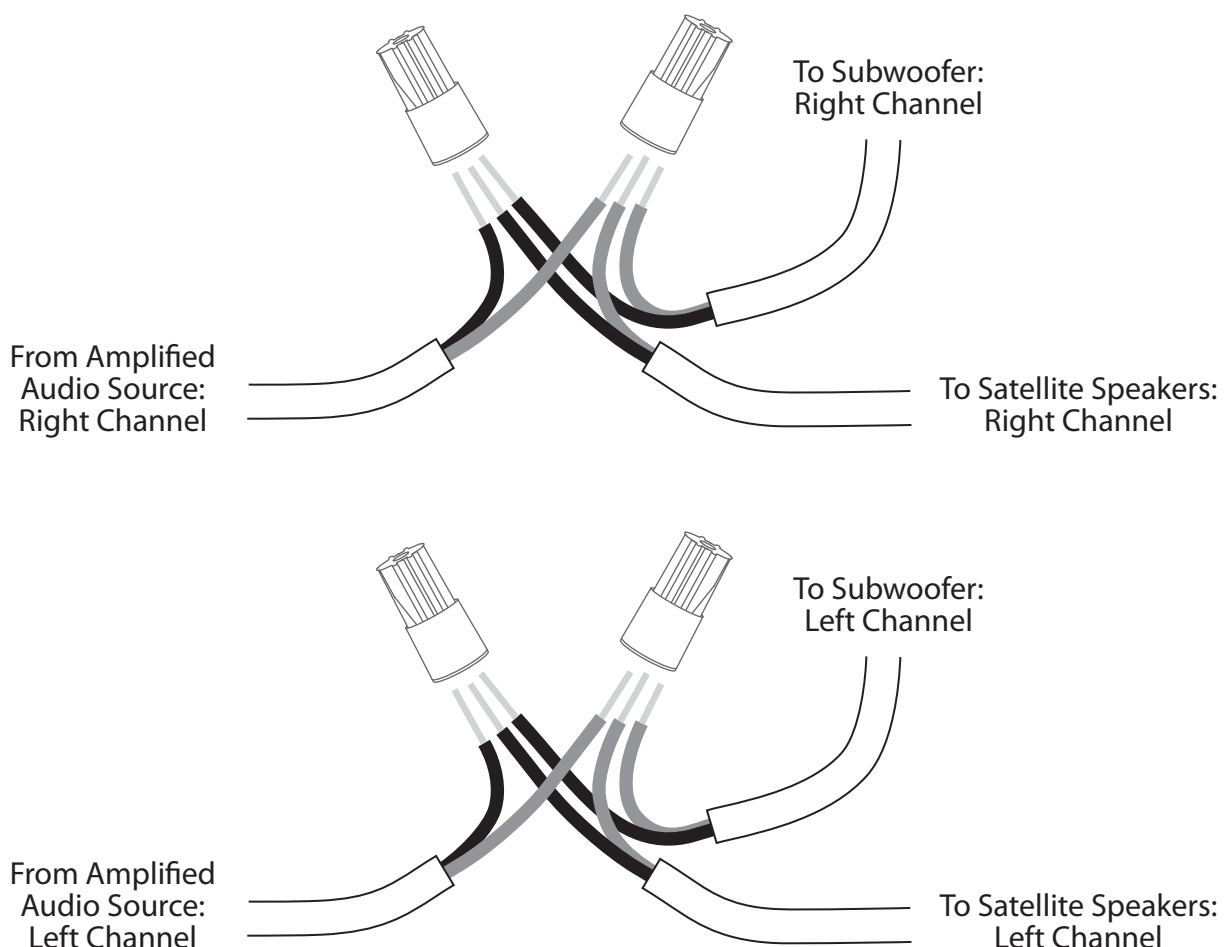
It is very important that the same wire that is attached to the Positive connector of the Audio Source is attached to the Positive connector of the speakers.

DO NOT connect your Audio Source to an AC power outlet until all of the speakers are connected. DO NOT connect the speaker wires to the amplifier before all other connections have been made. DO NOT allow any stray (+) and (-) wire strands to come in contact with each other. This could damage your Audio Source.

Use only the waterproof wire nuts that came with your speakers. This will assure that no water will get in the connection.

The Subwoofer has a Dual Voice Coil with two sets of connections — one for the right channel and one for the left. Bundle the right channel wires from the power source with the right channel wires for the Subwoofer and another set of wires that will lead to the two right channel Satellite Speakers. Be sure that the Positive (+) wires are only connected to the other Positive (+) wires, and that the Negative (-) wires are only connected to the Negative (-).

Wire the left channel Subwoofer connection and Satellite Speakers the same way.



Technical Assistance

If you have any trouble with the installation or have any technical questions, please email us at:
info@redatomproducts.com.

Warranty Information

- This warranty applies to US Residents who purchase from an authorized RED ATOM Dealer. RED ATOM products are covered against defects in materials and workmanship for 5 years. RED ATOM will repair or replace the defective component or product, at its sole discretion. Failure to follow product care instructions from RED ATOM will result in void of warranty.
- To obtain warranty service, contact RED ATOM customer service at info@redatomproducts.com. You must supply a copy of your original receipt. If your product must be shipped to RED ATOM for inspection, you will be responsible for the shipping charges. Replacement product shipped to you will be returned freight pre-paid.
- RED ATOM disclaims any liability for modifications, improper installations, installations connected to a power source over the specified power range, or failure to follow care instructions provided by RED ATOM. To the maximum extent permitted by law, RED ATOM disclaims any other warranties, expressed or implied, including warranties of fitness for a particular purpose and warranties of merchantability. RED ATOM will not be liable for any damages arising out of the use of, or inability to use, RED ATOM products.
- This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
- Specifications are subject to change without prior notice.



www.redatomproducts.com

Questions? Contact us at info@redatomproducts.com