

Reference 4.1 Landscape Solution, Bronze Textured, Four 4 in. Satellites, One 10 in. Subwoofer

The Crestron® [REFERENCE OD4.1-4-S10-BRZ-T KIT](#) landscape solution made by Origin Acoustics provides the full impact of your music outdoors with tremendous coverage, excellent stereo imaging, and rich, deep bass.

The 4.1 kit includes four weatherproof 2-way outdoor satellite speakers and an in-ground subwoofer. The outdoor satellite speakers are designed to be staked directly into the ground with the supplied ground stakes.

NOTE: For individual speaker documentation, refer to [REFERENCE OD4-BRZ-T-EACH](#) Quick Start (Doc. 9033).



In the Box

1 REFERENCE OD4.1-4-S10-BRZ-T KIT

Additional Items

- 4 Satellite speakers (6511866)
- 4 Ground stakes
- 1 In-ground subwoofer (4532740)
- 12 Wire nuts



Installation

Recommended Speaker Wire

Crestron recommends using 12 to 16 gauge multistranded, direct-burial outdoor speaker wire (not included) for installation, depending on the overall distance from the amplifier (not included) to the further speaker connection. Refer to the following chart for recommended wire gauge.

Distance from Amplifier to furthest speaker	Recommended Wire Gauge (AWG)
0 - 100 ft (0 - 30 m)	16
50 - 150 ft (15 - 45 m)	14
Over 100 ft (30 m)	12

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Landscape Speaker Setup

Prior to connecting the speaker wire, fully plan out the locations of all satellite speakers and the subwoofer. Place the subwoofer and satellite speakers evenly around the landscape area. Refer to the following diagrams for recommended speaker layouts.

Figure A - Satellite Speakers in Rectangular Configuration

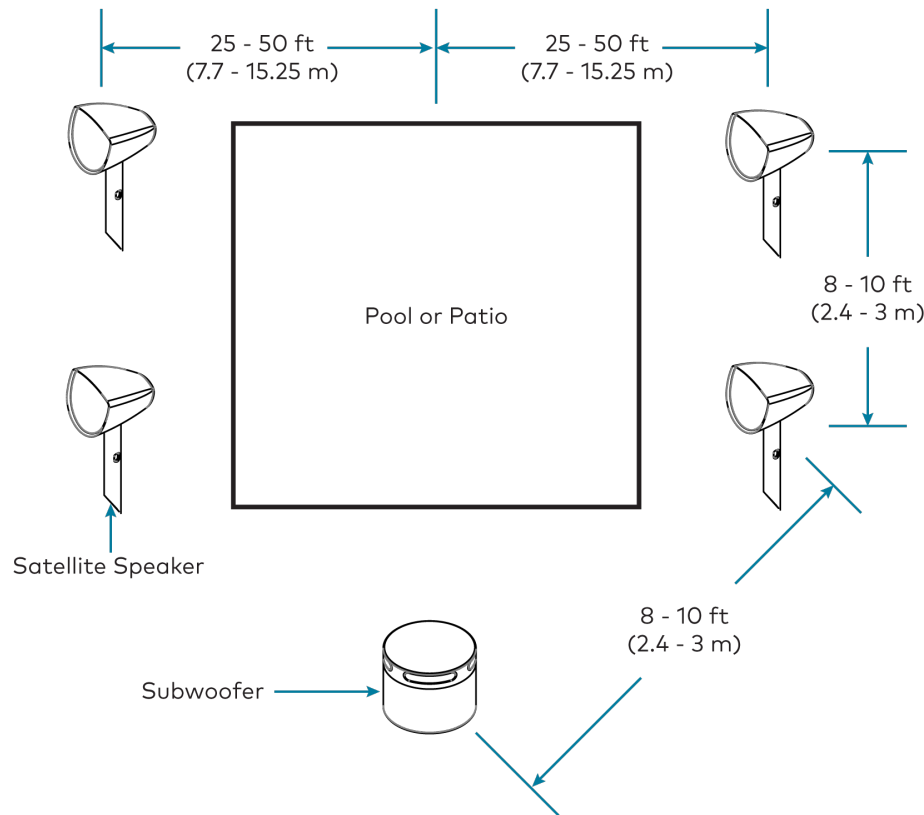
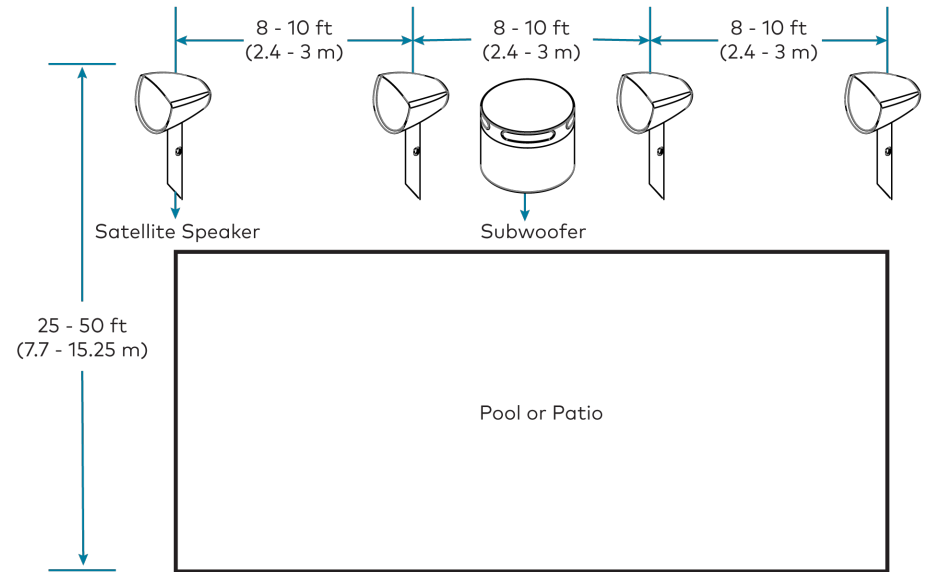


Figure B - Satellite Speakers in Straight-line Configuration



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Subwoofer Placement

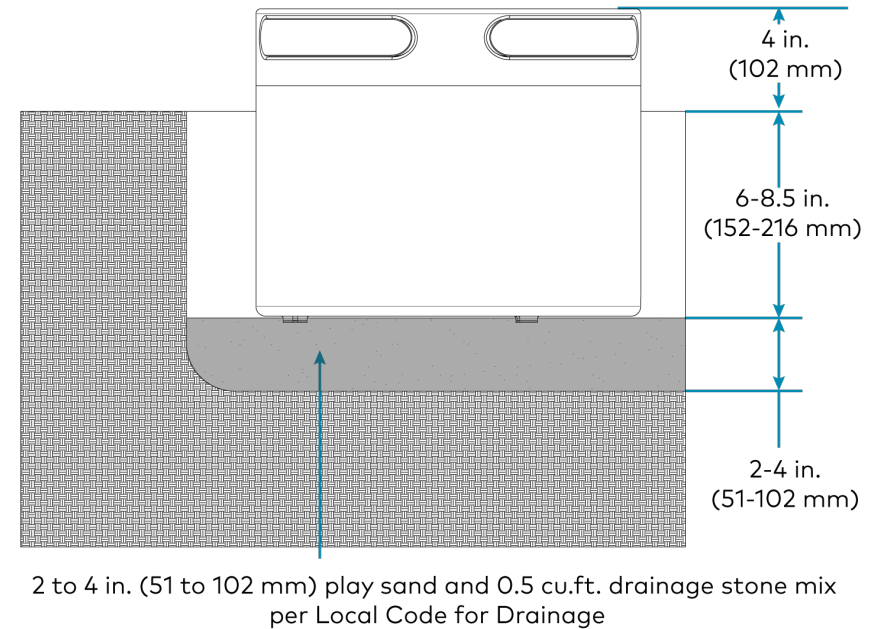
Select a location for the subwoofer near the middle of the satellite speaker arrangement (see figures A and B). The subwoofer will provide bass to approximately a 1500 sq ft area.

Subwoofer Installation

1. Once the layout of the subwoofer is determined, prepare to partially bury the subwoofer in the desired location.
2. Dig a hole with the following minimum dimensions to bury the subwoofer:
 - Depth: 7.87-12.40 in. (200-315 mm)
 - Diameter: 18 in. (457 mm)
3. At the bottom of the hole, prepare a level base for the subwoofer free of voids and large rocks (see figure C).

NOTE: The hole must be deep enough to allow a layer of 2 to 4 in. (51 to 102 mm) play sand mixed with 0.5 cu. ft drainage stone. Position the base of the speaker 6 to 8.5 in. (152 to 216 mm) below ground level.

Figure C - Prepare the Site for Subwoofer Installation



4. Place the subwoofer into the ground.

NOTE: Ensure that the vents are exposed and the top of the subwoofer is about 4 in. (102 mm) above the ground level – do not bury vents at ground level.

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Satellite Speaker Placement

Place the satellite speakers between 8 and 10 feet (2.4 to 3 meters) apart for best coverage (see figures A and B). Consider that one satellite speaker will provide sound to about 200 to 500 sq ft. The speakers can be installed at ground level using stakes (included).

NOTE: The included stakes measure about 12.43 in. (316 mm) in length. For longer stakes, use the [SPKA-STAKE-OD-18](#) optional accessory.

Satellite Speaker Installation

With the four satellite speakers in their desired locations, dig a 4 to 5 in. (102-127 mm) deep trench to run the speaker wire (not included) from the amplifier to each speaker. Ensure trenching and speaker wire usage follow local codes.

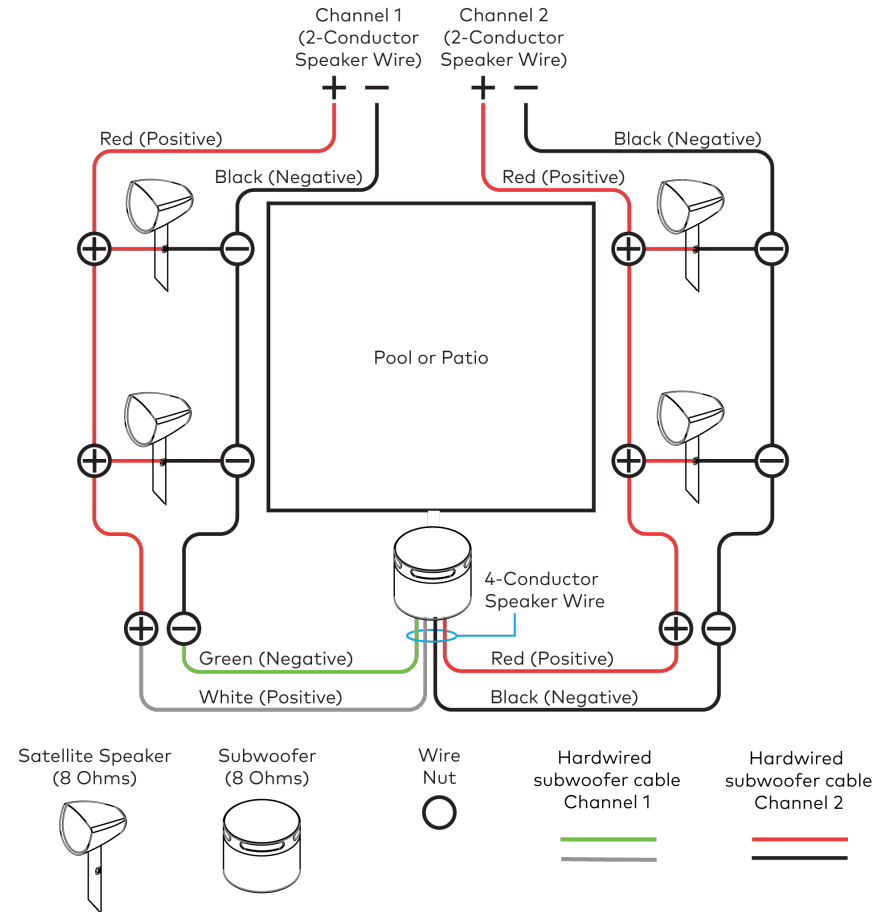
Speaker Connections

1. Run the speaker cable (not included) through the trench from the amplifier to the first speaker location (this can be a satellite speaker or the subwoofer, depending on your speaker placement in relation to the amplifier).

NOTE: When connecting the speaker wire to an amplifier located indoors, ensure all indoor and outdoor connections follow local codes.

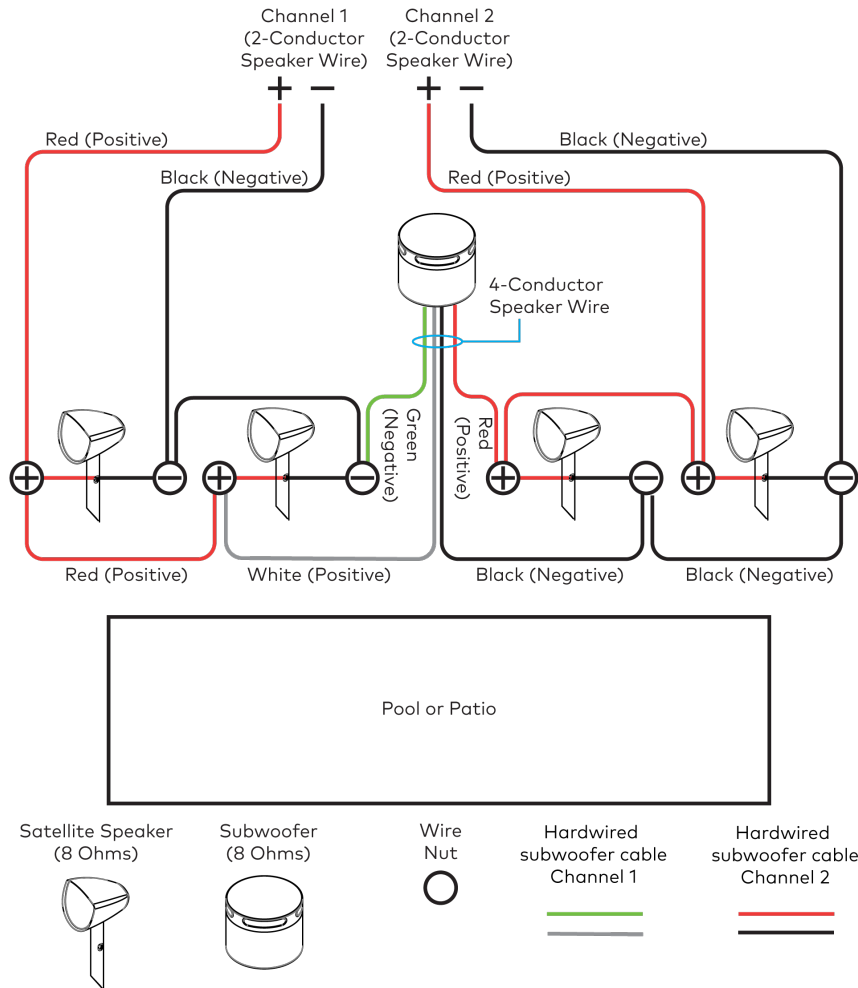
2. Refer to the following application diagrams (see figures D and E) to determine the appropriate wiring configuration. Then, connect the speakers as described in steps 3 through 7.

Figure D - Satellite Speakers in a Rectangle Configuration



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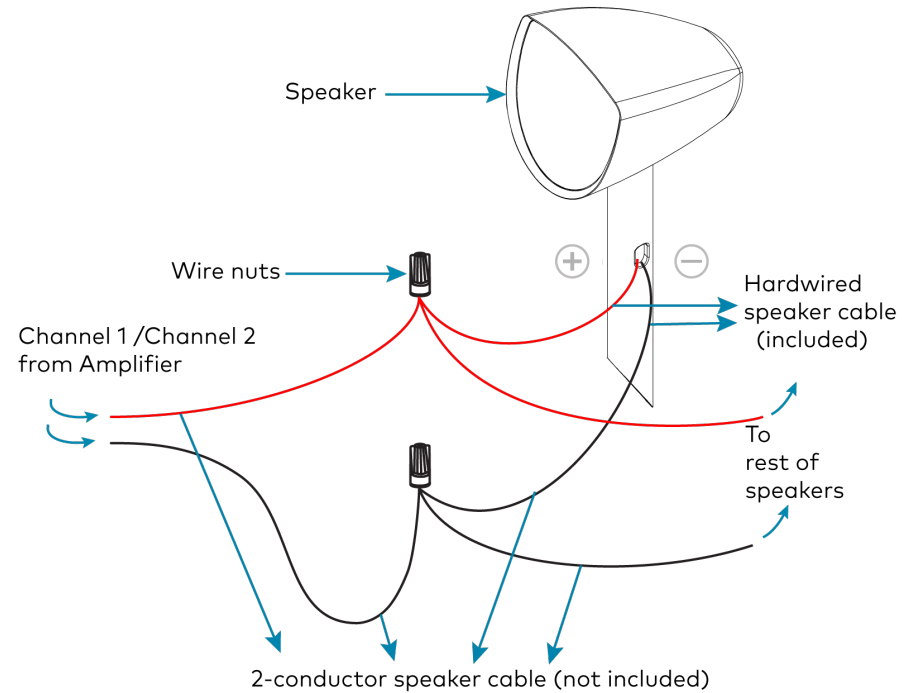
Figure E - Satellite Speakers in a Straight-line Configuration



- At each speaker's location: Combine and twist all exposed positive (+) leads together in a clockwise motion. Next, repeat this step for all the exposed negative (-) leads.

- Secure the three positive (+) leads together (lead from the amplifier, hardwired speaker lead from the first speaker, and lead to the rest of the speakers) using the wire nuts, ensuring that no copper is exposed (see figure F). Repeat this step for all the negative (-) leads.

Figure F - Secure the Cables - Satellite Speaker



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NOTES:

- Each satellite speaker includes a hardwired direct-burial speaker cable.
- Make sure that the positive cable is attached to the red connection, and the negative cable is attached to the black connection.
- Be sure not to let any stray '+' and '-' strands touch each other. Touching strands will cause a short-circuit which could damage the amplifier.
- Each [REFERENCE OD4-BRZ-T-EACH](#) speaker presents a 16 ohm load to the amplifier, and is designed to be wired in parallel either with additional [REFERENCE OD4-BRZ-T-EACH](#) speakers and/or with the subwoofer included in the [REFERENCE OD4.1-4-S10-BRZ-T KIT](#). These speakers are also suitable replacements for the speakers in the [REFERENCE OD4.1-4-S10-BRZ-T KIT](#).

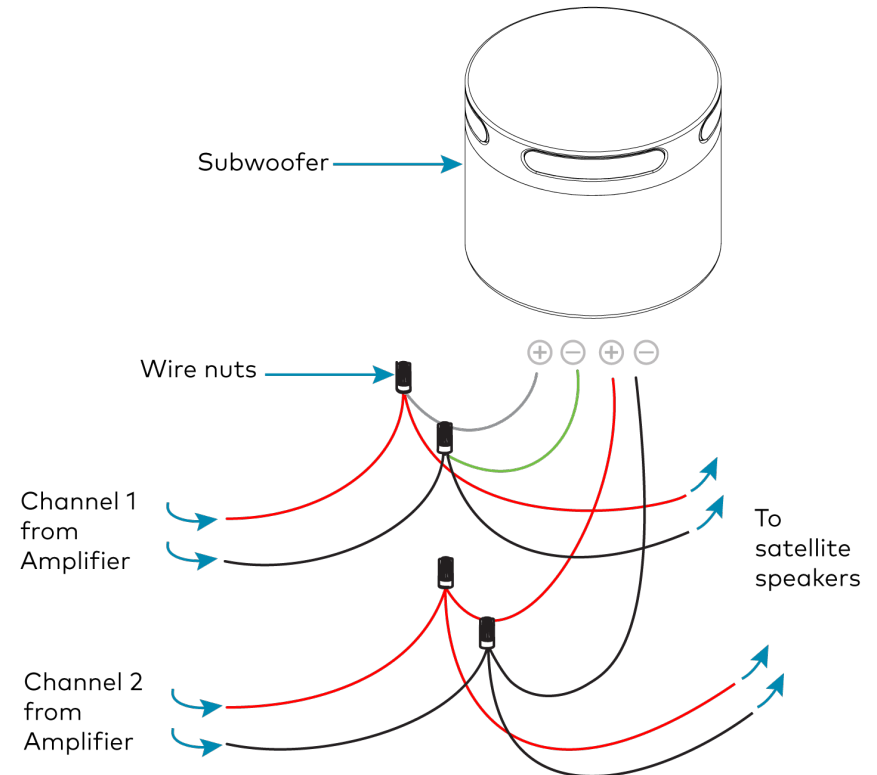
5. Repeat steps 3 to 4 for each successive speaker.
6. Connect the remainder of the speakers.
7. The subwoofer needs to be connected in the same manner as the satellite speakers (see figure G).

NOTES:

- The subwoofer includes a hardwired direct-burial speaker cable.
- The subwoofer has dual voice coils, one for the channel 1 and one for the channel 2. It is critical that the positive and negative cables be connected correctly for both channels. If either channel is connected incorrectly, no low-frequency sound will be produced.

- Make sure that the white (+) and green (-) wires are used for the channel 1 signal path and red (+) and black (-) for the channel 2 signal path.

Figure G - Secure the Cables - Subwoofer



8. After all the speaker connections are completed as shown above, connect the speaker cables to your amplifier.

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9. Once the wiring is completed, install the speakers as follows:
 - a. Drive the ground stake (included) into the ground.
 - For installation in soft soil: The stake can be installed without excavating the soil. Push the stake down into the soil.
 - For installation in hard soil: Dig a hole for the stake. Place the stake in the hole with the top cylinder of the stake above ground level. Hold the stake straight while backfilling and compacting the soil.
10. Refill the wire trench and enjoy your new speakers.

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Visit the Product Page

Scan the QR code to visit the product page.

REFERENCE OD4.1-4-S10-BRZ-T KIT



<http://www.crestron.com/model/6512253>

Additional Information

Original Instructions

The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

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Doc. 9034B

01/19/22