



# Owner's Manual



# Rock Speaker

## Tools needed for installation

- Trench Spade/Shovel
- Wire Cutter
- Measuring Tape
- Outdoor Volume Control (Optional)
- Direct Burial Cables
- Silicon Cable Connectors (Optional)

## Quick installation guide

- Where is the best place to install the speakers?
- Where will the speakers sound the best?
- Try to separate the speakers 15 - 20 feet apart.
- Place the speakers in the location where they will camouflage the best with your surrounding

## Speaker wire

To determine the length and the gauge of speaker wire, you will need to measure the distance between your receiver/amplifier and the speakers.

- Measure the distance from the receiver/amplifier and the speakers.
- Always buy more than you think you would need.
- Equal wire lengths should always be used to maintain an equal balance in sound volume.
- Sound quality is lost when using thin wire gauge over a long distance.

18 AWG minimum - for distances up to ..... 10 ft  
 16-2AWG - from ..... 10 to 50 ft  
 14-4AWG - from ..... 50 to 100ft  
 12-2AWG - from ..... 50 to 100ft

### Step 1 Select your location

Designate the general area where the rock speakers would be most ideal. The speakers should face the general listening area and spaced about 15 - 20 feet apart for good stereo sound. (See Diagram 1) Furthermore, the realistic rock shape and finish would blend particularly well in your landscape if it is placed near a rock wall, water fountain, open plantation or swimming pool.

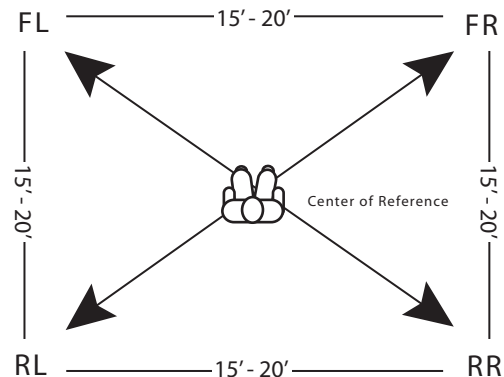
Avoid placing the speakers in low spots that would make the speakers vulnerable to water accumulation.

### Step 2 Trenching and Cable Burying

Measure the distance from the designated speaker location to your stereo receiver. Try to minimize your distance without compromising on your overall appeal and safety concern. Once the route is determined, use your spade or trench to dig the route with width between 8"-12" once the trench route is completed, lay the cable in the route. If using the PVC pipe, cut the pipe to length, ensure all electrical connections are watertight with silicone burial connectors. Once the cable layout is done, refill the trench. (See Diagram 2)

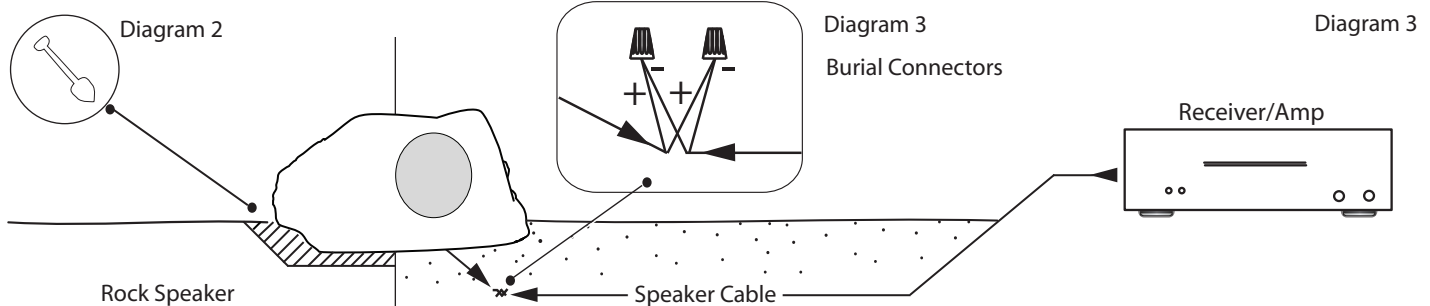
Remove 2" - 3" of the outer layer of the speaker wire coming out from the source amplifier. Carefully strip ½" of the insulation covering the speaker conductors within the outer layer. Twist the bare speaker wire leads together and seal with burial connector. Do not use Electrical tape as a means of weatherproofing the wire connection. (See Diagram 3)

Diagram 1



### Step 3 Making the connection

Rock speakers are easily connected to any audio amplifier or stereo receiver using the sealed speaker wire pigtail from the back of the speaker enclosure. Please note, the red lead indicates positive signal (+) and the black indicates negative signal (-). Connecting the positive and negative leads incorrectly will cause it to be out of phase and will result in weaker bass response.



## Step 5

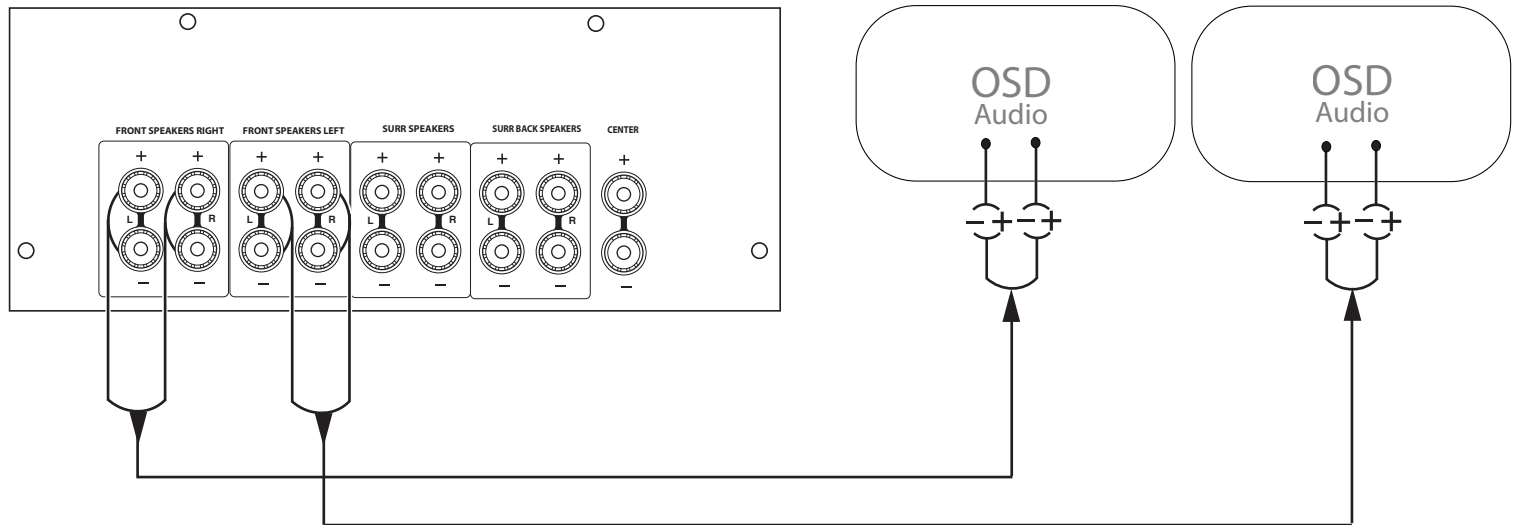
When connecting any speakers to the amplifier or receiver, always make sure the power is off. Locate the connection terminals on the back of your receiver or amplifier. Always make sure to connect audio out from the back of your receiver or amplifier to the speakers.

Not all receivers/amplifiers can safely operate 2 pair of speakers at the same time. It is important that the amplifier or receiver's output wattage is comparable to the speaker's power handling. Please refer to your owner's manual for reference.

Connect the speaker cable to the speaker cable terminals, matching the proper polarity with your amplifier, + to + (red) and - to - (black). Make sure to connect the right channel to the right speaker and the left channel to the left speaker. Either channel may be attached to either terminals set, however, be sure that polarity (+ and -) is correct on each channel or the performance of the speaker will be seriously affected as one channel will cancel out the other.

Diagram 5

### Receiver/Amplifier



## Warranty & Repair

All OSD Audio speaker products have 1 year Limited Warranty against defects in materials and workmanship. Proof of purchase must accompany all claims. During the warranty period OSD will replace any defective part and correct any defect in workmanship without charge for either parts or labor.

OSD Audio may replace returned speakers with a product of equal value and performance. In such cases, some modifications to the mounting may be necessary and are not OSD's responsibility.

For this warranty to apply, the unit must be installed and used according to its written instructions. If necessary, repairs must be performed by OSD. The unit must be returned to OSD at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects, nor is damaged resulting from abuse or from servicing performed by an agency or person not specifically authorized in writing by OSD.

OSD Audio sells products only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any OSD product purchased from an unauthorized dealer or other source, including retailers, mail over dealers and online sellers will not be honored or serviced under existing OSD warranty policy. Any sale of product by an unauthorized source or other manner not authorized by OSD shall void the warranty on the applicable product.

Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis of the retail value of the parts and labor. To return for repairs, you must email customer service at [RMA@osdaudio.com](mailto:RMA@osdaudio.com) for a Returned Merchandise Authorization (RMA) number# then the unit must be shipped to OSD at the owner's expense, along with a note explaining the nature of service required. Be sure to pack the speaker(s) in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

### This Warranty Does Not Cover:

Damage caused by abuse, accident, misuse, negligence, or improper operation (installation) • Any products that have been altered or modified • Any product whose identifying number of decal, serial #, etc. has been altered, defaced or removed • Normal wear and maintenance.

# Specifications

## Rock Speaker

	RS850	RS850TT	RS840	RS810
<b>Speaker Type:</b>	Weather Resistant Reference Rock Speaker	Weather Resistant Dual Tweeter Stereo High Power Rock speaker	Weather Resistant Ultra Fidelity Rock Speaker	Weather Resistant Ultra Fidelity 45° Rock Speaker
<b>Woofer:</b>	8" Polypropylene Cone Woofer with Sealed Voice Coil	8" Polypropylene Cone Woofer with Sealed Voice Coil	8" Polypropylene Cone Woofer with Sealed Voice Coil	8" Polypropylene Cone Woofer with Sealed Voice Coil
<b>Tweeter:</b>	2" Coaxial Polyamide Dome	Two 1" Tweeter Mounted 18 Degrees	1 ½" Coaxial Polyamide Dome	1" Coaxial Soft Dome
<b>Impedance:</b>	8 Ohm	8 Ohm	8 Ohm	8 Ohm with 70V Transformer
<b>Frequency Response:</b>	20Hz – 20kHz	28Hz – 21kHz	24Hz – 20kHz	32Hz– 20kHz
<b>Power Handling:</b>	300 Watts	400 Watts	250 Watts	200 Watts
<b>Sensitivity:</b>	91dB	89dB	92dB	91dB
<b>Dimensions:</b>	H 15" x W 19" x D 16"	H 15" x W 20" x D 20"	H 10 ¾" x W 20" x D 19"	H 19" x W 18 ½" x D 11 ½"
<b>Unit Weight:</b>	28 lbs	30 lbs	20 lbs	21 lbs
<b>Finishes:</b>	Canyon Brown & Granite Grey	Canyon Brown & Granite Grey	Canyon Brown & Granite Grey	Canyon Brown & Granite Grey
<b>Sold as:</b>	Each	Each	Each	Each
<b>Warranty:</b>	1 year	1 year	1 year	1 year

## RS800

Weather Resistant Ultra Fidelity Rock Speaker  
8" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Soft Dome  
8 Ohm with 70V Transformer  
38Hz – 20kHz  
200 Watts  
91dB  
H 11 ¼ x W 18 ½" x D 19"  
19 lbs  
Canyon Brown & Granite Grey  
Each  
1 year

## RS800TT

Weather Resistant Dual Tweeter Stereo High Power Rock speaker  
8" Polypropylene Cone Woofer with Sealed Voice Coil  
Two 1" Tweeter Mounted 18 Degrees  
8 Ohm  
35Hz – 20kHz  
200 Watts  
88dB  
H 21" x W 14 ¾" x D 13 ¾"  
24 lbs  
Canyon Brown & Granite white  
Each  
1 year

## RX805

Weather Resistant Bass Port Advanced Tech Rock Speaker  
8" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Polyamide Dome  
8 Ohm  
35Hz – 20kHz  
200 Watts  
91dB  
H 12" x W 11 ½" x D 14"  
30 lbs  
Canyon Brown & Granite Grey  
Pair  
1 year

## RS790

Weather Resistant Bass Port Advanced Tech Rock Speaker  
8" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Soft Dome  
8 Ohm  
38Hz – 20kHz  
200 Watts  
91dB  
H 13" x W 16" x D 15 ½"  
14 lbs  
Canyon Brown & Granite Grey  
Each  
1 year

## RS690

Weather Resistant Bass Port Advanced Tech Rock Speaker  
6 ½" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Polyamide Dome  
8 Ohm  
30Hz – 20kHz  
175 Watts  
91dB  
H 11" x W 13" x D 11  
24 lbs/pack  
Canyon Brown & Granite Grey  
Pair  
1 year

## RS690TT

Weather Resistant Dual Tweeter Stereo High Power Rock speaker  
6 ½" Polypropylene Cone Woofer with Sealed Voice Coil  
Two 1" Tweeter Mounted 180 Degrees  
8 Ohm  
60Hz – 20kHz  
120 Watts  
90dB  
H 11" x W 15" x D 15"  
20 lbs  
Canyon Brown & Granite Grey  
Each  
1 year

## RS680

Weather Resistant Ultra Sound Rock Speaker  
6 ½" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Polyamide Dome  
8 Ohm  
35Hz – 20kHz  
175 Watts  
90B  
H 10" x W 17" x D 15"  
28 lbs/pack  
Canyon Brown & Granite Grey  
Pair  
1 year

## RS670

Weather Resistant High Definition Rock Speaker  
6 ½" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Soft Dome  
8 Ohm with a 70V Transformer  
45Hz – 20kHz  
150 Watts  
90dB  
H 9 ½" x W 12" x D 10"  
28 lbs/pack  
Canyon Brown & Granite Grey  
Pair  
1 year

## RS820-OM

Weather Resistant Omni 360 Rock Speaker  
8" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Polyamide Dome  
8 Ohm  
34Hz – 20kHz  
250 Watts  
90dB  
H 18 ½" x W 12" x D 19"  
20 lbs  
Canyon Brown / Granite Grey or Granite White  
Each  
1 year

## RS660-OM

Weather Resistant Omni 360 Rock Speaker  
6 ½" Polypropylene Cone Woofer with Sealed Voice Coil  
1" Coaxial Polyamide Dome  
8 Ohm  
38Hz – 20kHz  
250 Watts  
90dB  
H 18 ½" x W 12" x D 19"  
20 lbs  
Canyon Brown / Granite Grey or Granite White  
Each  
1 year

# Specifications

## RX640

Weather Resistant Multi Purpose Rock Speaker  
6 ¼" Polypropylene Cone Woofer with Sealed Voice Coil  
1 " Coaxial Polyamide Dome  
8 Ohm  
39Hz – 22kHz  
150 Watts  
91dB  
H 8 ½" x W 7" x D 9"  
7 lbs/pack  
Canyon Brown & Granite Grey  
Pair  
1 year

## RX550

Weather Resistant Multi Purpose Rock Speaker  
5.25" Dual Polypropylene Cone Woofer with Butyl Rubber Surround  
None  
8 Ohm  
65Hz – 20kHz  
100 Watts  
88dB  
H 8" x W 9" x D 9"  
11.7 lbs/pack  
Canyon Brown / Granite Grey or Granite White  
Pair  
1 year

## RX540

Weather Resistant Multi Purpose Rock Speaker  
5 ¼" Polypropylene Cone Woofer with Sealed Voice Coil  
1/2 " Coaxial Polyamide Dome  
8 Ohm  
80Hz – 20kHz  
100 Watts  
90dB  
H 8 ½" x W 7" x D 9"  
7 lbs/pack  
Canyon Brown & Granite Grey  
Pair  
1 year

## Frog Speaker

**Speaker Type:**  
**Woofer:**  
**Tweeter:**  
**Impedance:**  
**Frequency Response:**  
**Power Handling:**  
**Sensitivity:**  
**Dimensions:**  
**Unit Weight:**  
**Finishes:**  
**Sold as:**  
**Warranty:**

## FS550

Weather Resistant Multi Purpose Garden Speaker  
5 ¼" Polypropylene Cone Woofer with Sealed Voice Coil  
1/2 " Coaxial Polyamide Dome  
8 Ohm  
65Hz – 22kHz  
120 Watts  
90dB  
H 9 ½" x W 11 ½" x D 11 ½"  
25 lbs/pack  
Bronze Patina  
Pair  
1 year

## FS525

Weather Resistant Multi Purpose Garden Speaker  
5 ¼" Polypropylene Cone Woofer with Sealed Voice Coil  
N/A  
8 Ohm  
80Hz – 20kHz  
100 Watts  
88dB  
H 8 ½" x W 7" x D 9"  
7 lbs/pack  
Bronze Patina  
Pair  
1 year

## Subwoofer

**Speaker Type:**  
**Woofer:**  
**Impedance:**  
**Frequency Response:**  
**Power Handling:**  
**Sensitivity:**  
**Dimensions:**  
**Unit Weight:**  
**Finishes:**  
**Sold as:**  
**Warranty:**

## RSUB300

Weather Resistant Ultra Pro Dual Woofer Rock Subwoofer  
10" Passive Polypropylene Woofer + 8" Active Polypropylene Woofer  
8 Ohm  
20Hz – 20kHz  
500 Watts  
90dB  
H 12" x W 25" x D 20"  
30 lbs  
Canyon Brown & Granite Grey  
Each  
1 year