

Congratulations on choosing your Elura rock speakers. Like all Elura products, great care has been taken in their design. Their combination of advanced engineering and state-of-the-art materials will provide you with years of listening pleasure.

The speakers were designed to appear like naturally occurring landscape rocks. The realistic rock-like shape and the availability of two natural colors (Granite & Sandstone) allow them to blend into almost any outdoor environment allowing you to create a natural looking outdoor audio solution. Before you get started, it's a good idea to identify all the parts and hardware (See Fig 1).

Where to Place Your Rock Speakers

Elura rock speakers are designed to be placed directly on the ground in your landscape, on a deck, or patio. Since they imitate naturally occurring rocks, they blend in best if placed near other rocks and among bushes, plants, and other landscape settings. When determining placement you should first consider the ease of running your speaker wire from the amplifier location to each speaker and the sound coverage area you desire from each speaker. (Note: Do not place speakers in a low-lying area where water may accumulate since they are not designed to be submersed in water.) If possible, all speakers should be placed at the same elevation to obtain the most balanced sound reproduction. Placing speakers at different heights will alter the speakers' combined sound characteristic. Each speaker should cover a 90 degree pie-shaped listening area in front of the speaker's face, which is the grille side (See Fig. 2).

Speakers should face the listening area and the spacing between units should be approximately 10 to 20 feet apart (see Fig. 2). Measure the listening area you want to cover to determine the number of speakers you will need to give adequate sound coverage. Using the correct number of speakers for proper coverage is better than turning the volume of the receiver up beyond its limits, causing distortion and possibly damaging your speakers. If you are using more than two speakers to cover a large area, we recommend you consult your receiver/amplifier owner's manual to determine how many 6 ohm speakers can be connected to each channel of its outputs. Most receivers are only rated for one 6 ohm speaker per channel. If you need to use more than two speakers per channel, we recommend using an impedance matching speaker selector or a impedance matching volume control. Using one of these impedance matching devices will assure the safe operation of your amplifier if multiple pairs of speakers are being used. (See Fig. 3 on reverse.)

Tools & Materials Required for Installation

- Wire strippers
- Spade or trenching tool/shovel
- Hacksaw or pipe cutter
- PVC conduit, cleaner, glue, & cutting tool (optional)
- Tube of silicone sealant
- Direct burial rated speaker cable with polarity marking on the cable
 - 16AWG minimum for cable runs up to 70 feet
 - 14AWG for cable runs of 70 - 120 feet
 - 12AWG for cable runs of 120 - 170 feet

Running Speaker Cable and Connecting the Speaker

If you chose to bury your speaker wire, we recommend you first consult your local utility companies (phone, electric, cable TV, gas, water, or other applicable organizations) for any buried cables or utility line locations before you begin to dig. You may also need to consult your local building and electrical codes for any applicable requirements.

Once you have determined the desired location of your speakers and where any buried obstructions may exist, you can dig the trench for your wire. Lay your cable on top of the ground along the path you have determined to each speaker. If not using conduit, you may dig a narrow trench or slit the ground below the grass line along the wire path and tuck the wire in. If you are using conduit, size and cut it to fit the trench first. Then assemble the conduit and associated parts with PVC cleaner and glue according to the manufacturer's instructions. Pull the speaker cable through the conduit and lay the conduit into the trench. In either installation style, make sure to leave approximately 2 or 3 feet of extra cable under the speaker in case you need to adjust its location later.

(See Fig. 4 on reverse for speaker connection detail)

- Strip the outer jacket from each end of the cable about 3 inches and expose the two insulated conductors.
- Strip 1/2" of insulation from the end of each conductor.
- Twist the positive wire to the Red wire and the negative wire to the Black wire of the speaker.
- Make sure the two connections do not touch each other for the next step.

(Continued on reverse)

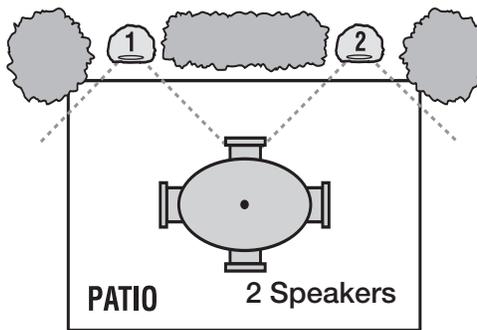
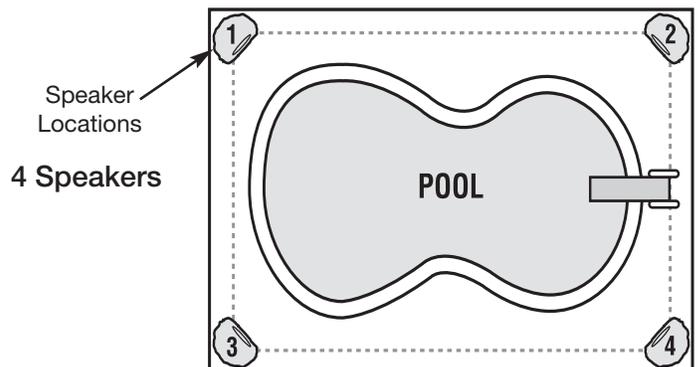
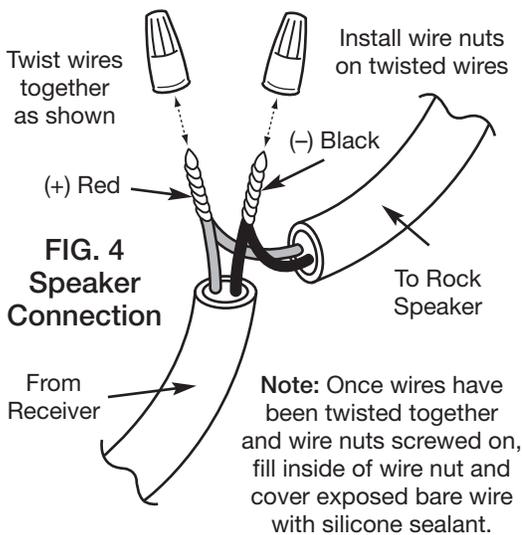
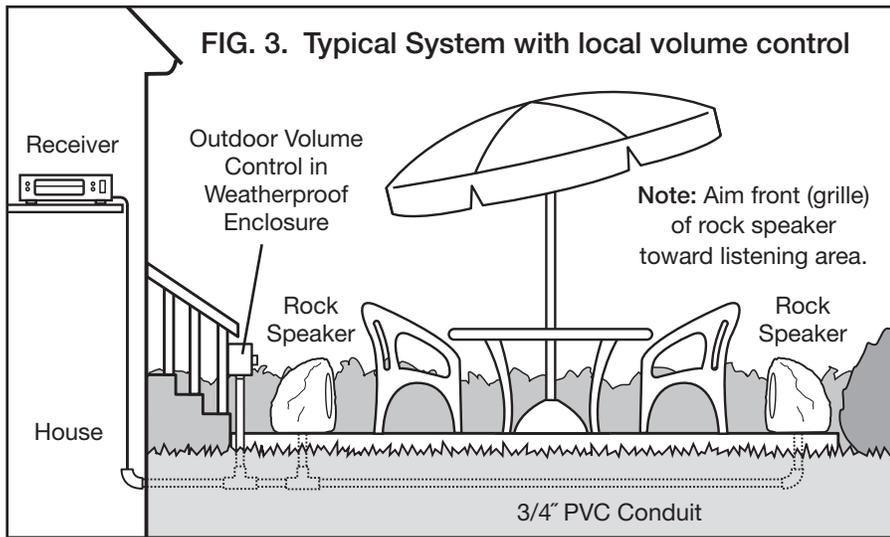


FIG. 2
 Examples
 of Speaker
 Coverage Areas





(Continued from front)

- Connect the positive and negative wires to your receiver/amplifier maintaining proper polarity as described in your receiver/amplifier's manual.

- Now turn your receiver/amplifier on, making sure the volume control is turned down and that the balance control is in the center position. Activate a musical source such as FM or a CD player. Gently turn up the volume until you hear sound coming from your new rock speakers. If everything is working properly, then turn the amplifier off and skip down to the next paragraph. If no sound is heard from any or all

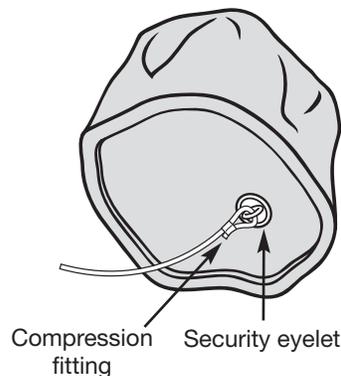
speakers, switch off the receiver/amplifier immediately and check for open or loose connections, wrong polarity or shorts, or improper source selection.

- Place wire nuts on each of the speaker connections and fill them with silicone (not supplied) to prevent corrosion after the wire is buried. Use silicone to seal the cable path through any walls or other structures. You can now fill in the cable trench with the dirt you removed, and start to enjoy your new outdoor sound system.

Security Eyelet Use

The Rock Speakers have a security eyelet on the bottom through which a security cable can be looped. Attach a vinyl-coated cable at a low position to a not-so-easily removable object like a park bench, fence post, tree trunk, etc.

Run the cable to the speaker and bury or cover the cable to hide visibility and prevent a trip hazard. Secure the cable to the eyelet on the bottom of the speaker. Use compression fittings or a crimp to form a loop.



Warranty

All Elura products come with a limited liability warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled.

A speaker that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit.

Under no circumstances will a unit be accepted without a return authorization number. The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed. Proof of sale may be required in order to claim warranty.

Specifications

- Power Handling: 10 - 150 Watts
- Efficiency: 89dB
- Freq. Response: 60 Hz-20,000 Hz
- Driver Complement:
 - 8" (203mm) graphite-filled poly cone woofer w/rubber surround
 - Ultra-wide dispersion 1" (25mm) polyamide dome tweeter
- Impedance: 6 ohms nominal
- Dimensions: 11^{3/4}" (300mm) W x 11^{1/4}" (285mm) H x 10^{3/4}" D (275mm)
- Environmental Protection Rating: IP55
- Connection Type: 30" Red/Black, stripped, pig tail
- Enclosure Type: Silicone-sealed, glass-reinforced, cast-resin
- Grille: Color-matched aluminum
- Colors Available: Granite and Sandstone
- Weight: 13.2 lbs. (6kg)

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