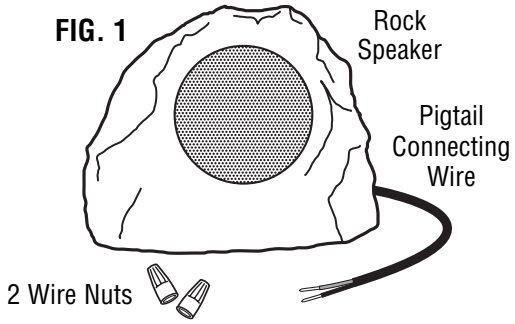
NX-PRO6500G (Granite) & NX-PRO6500S (Sandstone) 6.5″ Two-Way Weather-Resistant Rock Speaker System

Congratulations on choosing your NX-PRO6500 rock speakers. Like all NXG 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 NX-PRO6500 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).

FIG. 1



Where to Place Your Rock Speakers

The NX-PRO6500 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 8 ohm speakers can be connected to each channel of its outputs. Most receivers are only rated for one 8 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 such as the NX-VM80. 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 the Speaker Cable and Connecting the Speaker

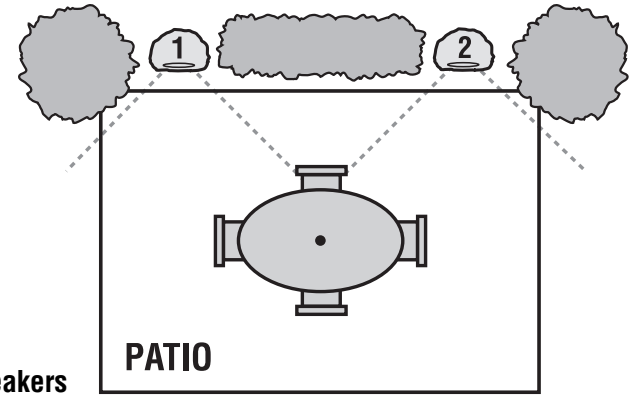
If you chose to bury your speaker wire, we recommend you first consult your local utility companies (phone, electric, cable TV, gas, water, or other applicable organizations) for any buried cables or utility line locations before you begin to dig. You may also need to consult your local building and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

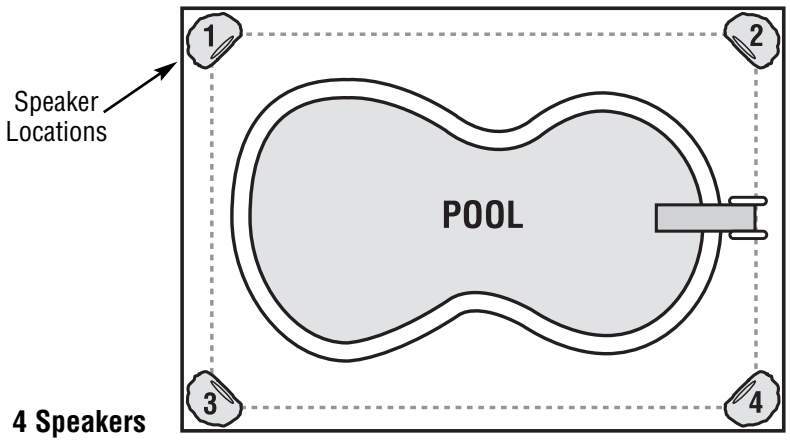
(Continued on reverse)

FIG. 2

Examples of Speaker Coverage Areas



2 Speakers



4 Speakers

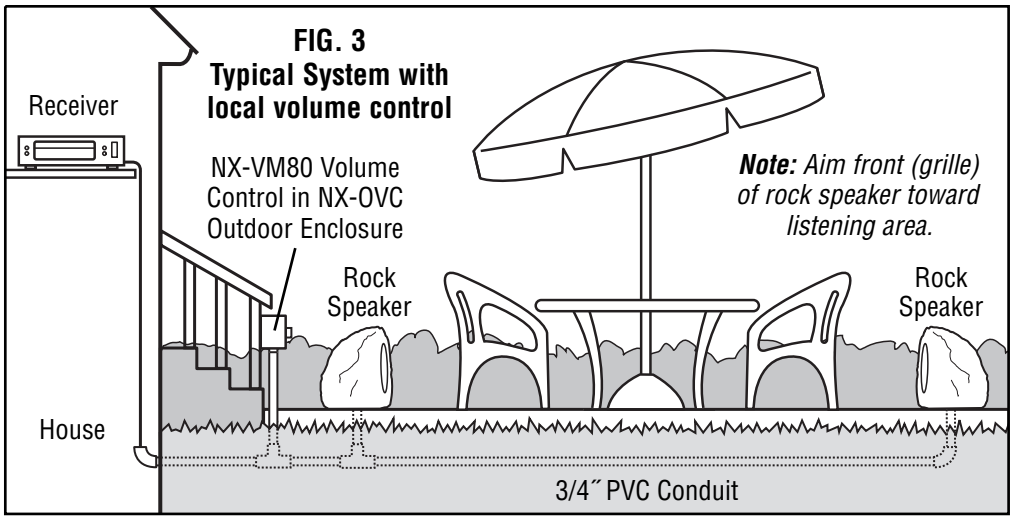


FIG. 3
Typical System with local volume control

Specifications

Power Handling: 10 – 100 Watts
Efficiency: 89dB @ 1watt/1 meter
Frequency Response: 60 Hz – 20,000 Hz
Driver Complement:
6½″ (165mm) injection-molded cone woofer
¾″ (19mm) polycarbonate dome tweeter
Nominal Impedance: 8 ohms
Connection: 24″ Two-Conductor Pig Tail
Enclosure: Silicone sealed, glass-reinforced, cast resin
Grille: Color matched aluminum
Overall Dimensions: 14″ (356mm) W x 10½″ (267mm) H x 9¾″ (248mm) D
Available Colors: Granite & Sandstone

(Continued from front)

(See Fig. 4 for speaker connection detail)

- Strip the outer jacket from each end of the cable about 3 inches and expose the two insulated conductors.
- Strip ½″ 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 NX-PRO6500 speaker.
- Make sure the two connections do not touch each other for the next step
- 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 NX-PRO6500 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.

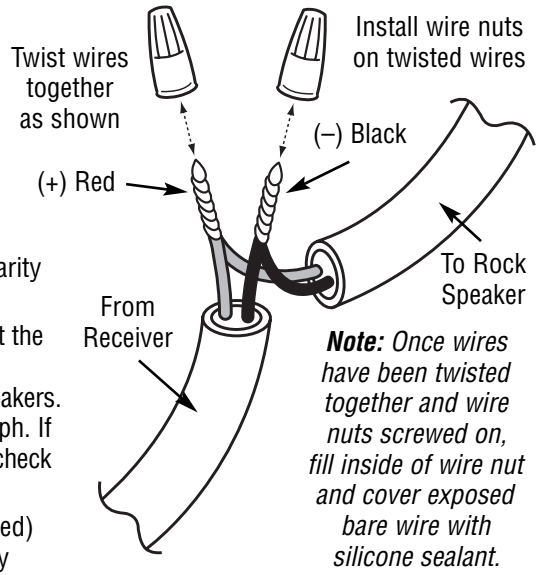


FIG. 4 - Speaker Connection

NXG Speaker Systems are designed to the highest possible value and performance standards. Our confidence in their quality is such that NXG Technology offers customers this transferable limited warranty:

NXG Speaker System Two-Year Limited Warranty

If the NXG speaker system proves to be defective in workmanship or materials within two years from the date of the original customer's purchase, we will, at our option, repair or replace the defective product.

DISCLAIMER

THE WARRANTY STATED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE AND ALL OTHER LIABILITIES AND OBLIGATIONS OF NXG TECHNOLOGY, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. NXG TECHNOLOGY HAS NOT MADE AND DOES NOT HEREBY MAKE ANY OTHER REPRESENTATION, WARRANTY OR COVENANT WITH RESPECT TO THE CONDITION, QUALITY, DURABILITY, DESIGN, OPERATION, CAPACITY, FITNESS FOR USE OR SUITABILITY OF THE NXG SPEAKER SYSTEMS.

Exclusion of Certain Damages

NXG Technology's liability for any defective product is limited to repair or replacement of product at our option. NXG Technology shall not be liable for incidental or consequential damages of any kind or character because of product defects. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply.

This Warranty Does Not Cover:

- Damage caused by abuse, accident, misuse, negligence, or improper operation.
- Any product whose serial number has been altered, defaced, or removed.
- Products that have been altered or modified.
- Normal wear and maintenance.
- Damages caused by shipping. (All claims for shipping damage must be made with the carrier.)

Warranty Service

Warranty service must be performed by an authorized service center, usually an NXG speaker systems dealer or its authorized agent. All warranty repairs must be accompanied by the original bill of sales. No other document is acceptable or is required. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NXG reserves the right to revise speaker system specifications without notice.

NXG TECHNOLOGY

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