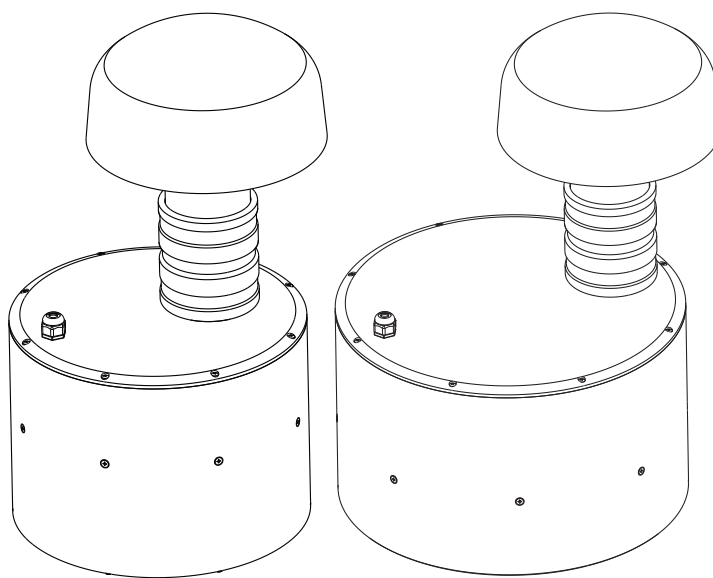




**INSTALLATION MANUAL**  
**ES-LS-BSUB-8-CPR**  
**ES-LS-BSUB-10-CPR**



**REAL. LIFE. SOUND.**



## WELCOME TO EPISODE®

Thank you for purchasing Episode® speakers. Complete the Setup, Connect, Secure, and Fine Tune sections in this manual to ensure proper installation. Visit our website for design recommendations and speaker calculators.

## CONTENTS

- (2) Silicone-Filled Weatherized Wire Nuts
- Weatherized Canopy
- Port Tube with Compression Clamps

## TOOLS REQUIRED

- Wire Strippers
- Digging Tools as needed for soil type (shovel, pickaxe, etc.)
- Tape Measure
- Slotted Screwdriver
- Pea Gravel (optional, as a drainage base for high clay content soils. See page 5 *Hole Dimensions*)

## BEFORE INSTALLATION

- Read and follow all instructions.
- Carefully plan placement locations and consider potential electrical, plumbing, irrigation, and other obstacles.
- Contact local authorities before installation to ensure any regulations or requirements are met.
- Consult a contractor if you are unsure of how to best install the product.

## PRODUCT REQUIREMENTS

- This subwoofer is a band-pass design, optimized for use with the Crown 1000 or 2000 watt 2-channel amplifier with custom-tuned DSP settings, or a specialized subwoofer amplifier with a low-pass filter. It requires an 8Ω-stable amplifier or a 4Ω-stable amplifier if two subwoofers are to be wired together in parallel.
- Installing different sizes of burial subwoofers on the same channel is not recommended.

## WIRING RECOMMENDATIONS

Burial-rated wire is recommended for all installations.

For Maximum Performance:

- For wire runs up to 100 feet, 16ga or larger wire is recommended.
- For wire runs up to 200 feet, 14ga wire or larger is recommended.
- For wire runs up to 300 feet, 12ga wire or larger is recommended.

Smaller wire gauges may be used, but overall performance will be reduced depending on the wire gauge used. The chart below shows the wire length and the amount of signal loss that you can expect on a typical run.

Wire Gauge	Single Subwoofer	Dual Subwoofers
	21% Power Loss	21% Power Loss
12	622 ft.	311 ft.
14	403 ft.	199 ft.
16	255 ft.	128 ft.
18	194 ft.	92 ft.

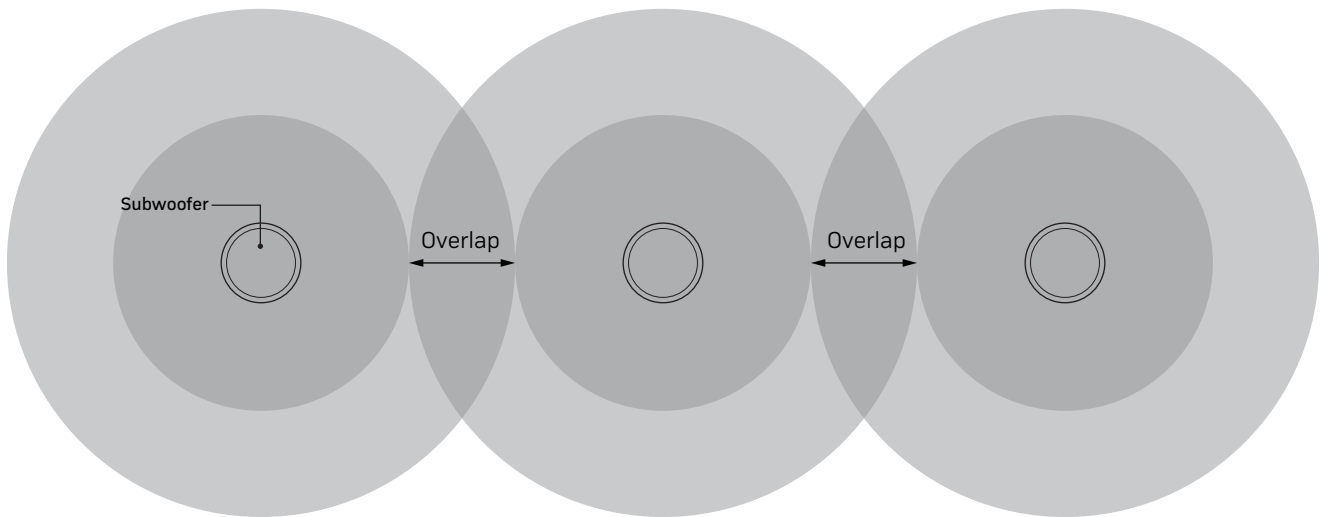
## CHOOSING THE INSTALLATION LOCATION

Consider the following when choosing the final installation location:

### Sound Coverage

The low frequencies added by a burial subwoofer will greatly enhance the overall sound quality of any outdoor loudspeaker installation. As a guideline, each subwoofer will provide coverage for between 1,000 and 2,000 square feet for the 8" and 1,500 and 2,500 for the 10". 8" subs cover a 20' radius and should be placed about every 40'. 10" subs cover a 25' radius and should be placed about every 50'. Placing a subwoofer near a wall will increase the bass response.

Output Overlap Diagram



### Aesthetic Placement

The final appearance of the sub leaves a very small footprint, but the sub should be located so that the canopy does not obstruct views or yard ornaments.

### Safe Environment

The subwoofer is designed to stand up to the harshest conditions and continue to perform, but there are conditions that could shorten its life.

Make sure to minimize the chance of water being sprayed directly into the weatherized canopy, and avoid installing the sub in an area that continuously floods during wet weather or retains standing water.

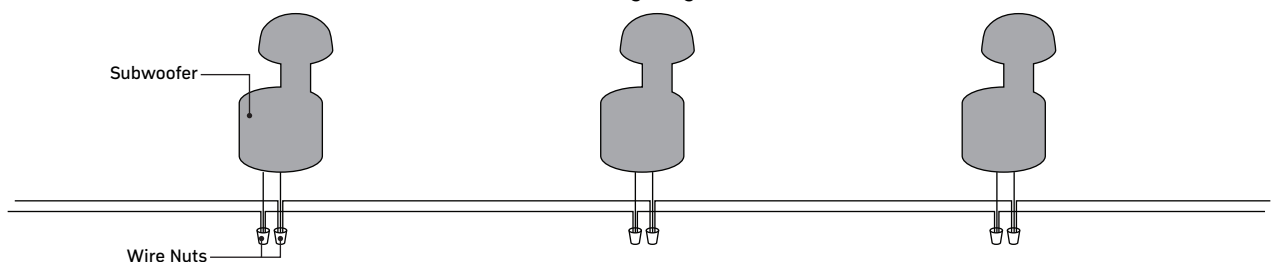
Avoid installing the subwoofer in areas where the canopy could be struck by cars, lawn care equipment, recreation equipment, or people walking in the yard.

### Ease of Installation and Wiring

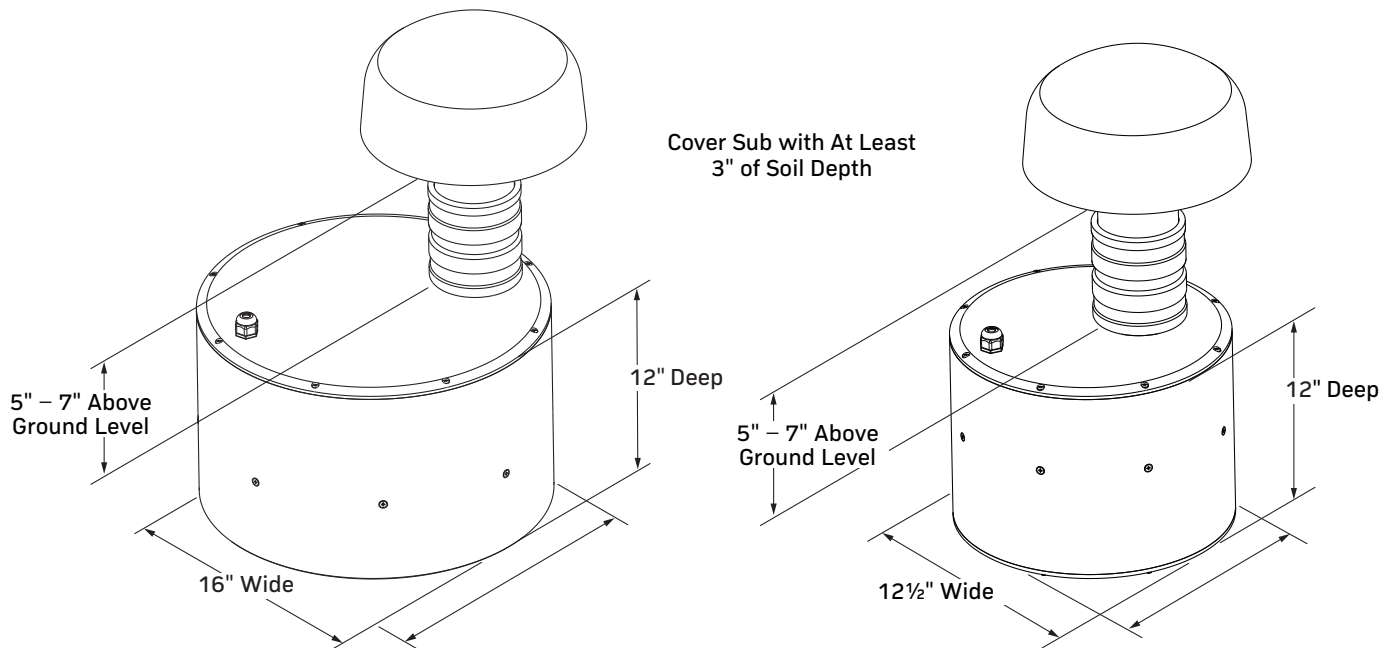
The final installation location must be accessible. Make sure that wire can be routed to the location from the amplifier, and that no obstructions will prevent installation of the canopy.

**NOTE:** We recommend that an outdoor speaker system be fully tested with speakers located at their proposed locations before any wiring trenches are dug or burial conduit is installed. This allows for easy relocation of any speaker/subwoofer to achieve optimum sound levels throughout the listening area.

Wiring Diagram



## INSTALLATION



### Hole Dimensions

The 10" subwoofer cabinet is approximately 16" in diameter. Dig a hole at least 24" in diameter, leaving about 4 inches of space on all sides of the subwoofer. Dig to a depth of 12" to allow for adjustment of the port tube height.

The 8" subwoofer cabinet is approximately 12½" in diameter. Dig a hole at least 20" in diameter leaving about 4 inches of space on all sides of the subwoofer. Dig to a depth of 12".

Provide at least 3" of soil on top of the subwoofer cabinet, and at least 5" between the bottom of the canopy and the soil surface after installation. This will allow for the best sound and will help prevent water buildup in the enclosure.

**NOTE:** In areas with a high clay-content in the soil, we recommend using a 1" layer of pea gravel underneath the subwoofer to allow for easier drainage.

### Assembly and Setup

1. Insert the canopy into one end of the rubber coupler, then completely tighten the compression clamp.
2. Complete the wiring connections using the included silicone-filled wire nuts. Match the red lead of the subwoofer to the "+" input and the black lead to the "-" input of your wiring.

**NOTE:** The silicone-filled weatherized wire nuts included with this kit are specifically designed to be used for direct burial installations. An equivalent connector must be used for any wiring in the system that could be exposed to water or weather. Damage to speakers or connected equipment due to inadequate installation will not be covered under warranty.

3. Test the complete speaker installation, including the subwoofer and any other speakers before filling in the hole or any wiring trenches.
4. Pack as much soil around the sides and top of the subwoofer as possible when filling the hole. Make sure the port tube remains fully perpendicular to the surrounding soil during this process. There should be at least 3 inches of soil covering the main subwoofer assembly after the subwoofer is fully covered.

## TROUBLESHOOTING

Episode® subwoofers are designed to function trouble-free. Most problems that occur are due to simple issues. If you have trouble, please follow the troubleshooting instructions below. If you have a different problem, or if the problem persists, contact Episode® Customer Service.

No Sound

1. Verify that there is audio coming from the source selected. Select another source if necessary.
2. Ensure that the audio source is turned on and connected properly.

## WARRANTY

### 5-Year Limited Warranty

5-Year Limited 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. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).

## CONTACTING TECHNICAL SUPPORT

866.838.5052

support@episodeaudio.com





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