SONANCE

BEYOND SOUND

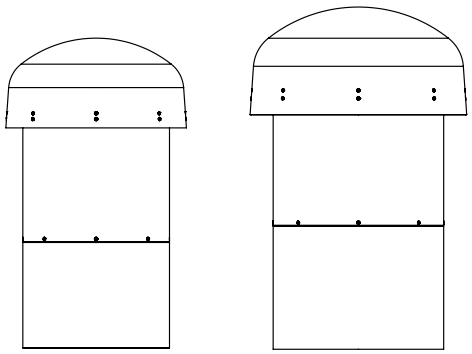
LANDSCAPE SERIES

LS12T SUB | LS15T SUB

INSTALLATION AND SUPPORT MANUAL

SLS IN-GROUND SUBWOOFERS

LS12T SUB | LS15T SUB



LS12T SUB LS15T SUB

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BOX CONTENTS

(1) Manual
(1) In-Ground Subwoofer
(2) Silicone filled wire nuts

INTRODUCTION

Thank you for purchasing a Sonance Landscape Series Subwoofer. When properly installed, the subwoofer will provide you with years of outdoor entertainment. To get the most out of your new subwoofer, please read this manual thoroughly before you begin installation.

IMPORTANT: Read this section in its entirety before attempting use of speaker.

IMPORTANT SAFETY INSTRUCTIONS

Always follow these basic safety precautions when using your speaker to reduce the risk of fire, electric shock, and injury to prople or objects.

1. Read all the safety and operating instructions before operating the speaker and retain them for future reference.

2. Adhere to all warnings and precautions listed on the speaker and in the operating instructions.

3. Follow all operating instructions.

SUBWOOFER PLACEMENT

NOTE: Subwoofers are very heavy, always team lift.

The SLS system is designed to deliver a seamless, evenly dispersed sound field in an 'open air' environment. An array of multiple Satellite speakers and Subwoofers should be strategically placed to minimize 'hot spots' and 'nulls' as you move around the outdoor entertainment area.

NOTE: As a general guideline, one subwoofer will cover about 2,000 square feet of listening area.

1. Select a central location for the subwoofer if using only one (see Figure 1). If using multiple subs, select locations that are the same distance from the main listening area. Sonance recommends one SLS sub installed after every four to five satellites in a chain.

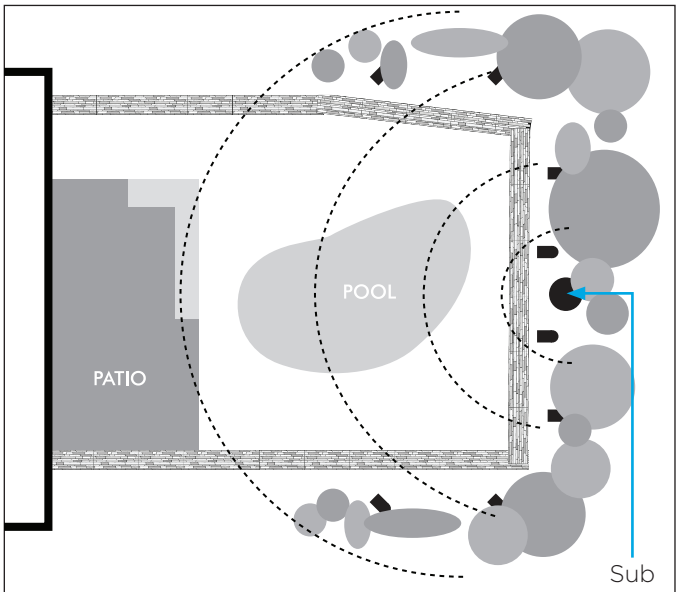


Figure 1: Subwoofer Placement

ADJUSTABLE TAP

SLS features a wide bandwidth Sonance Laminated Core Transformer (SLCT) with an adjustable tap, allowing the system to be configured for 70V/100V or 8 ohm. If using this SLS product in an 8 ohm application, ensure the tap switch is positioned to the 8 ohm setting. If using this product in a 70V/100V system, ensure the tap is positioned to one of the 70V/100V settings.

NOTE: Ensure that all satellites and subwoofers are set to either 70V/100V or 8 ohm tap settings to avoid any damage to your amplifier. DO NOT combine products set to any of the 70V/100V settings with products set to the 8 ohm setting on a single amplifier.

Some 70V/100V system designs will require variations of higher and lower output in different areas of the landscaping. The SLCT adjustable tap allows each satellite or subwoofer to be individually dialed to the desired output. Adjusting the tap settings will impact your wattage calculations. Please review the Wattage Calculator on the Sonance website: sonance.com/collections/sonance-landscape-series

NOTE: This product ships with the SLCT adjustable tap set to 300W. Adjustments can be made to the tap switch once all the satellites and subwoofers are connected to achieve the appropriate output level.

SONAMP DSP 2-750 AMP POWER PLANNING

The maximum number of satellites and subwoofers that can be used in a system will depend on the amplifier power. It is important to calculate the amplifier power your installation will require before you begin. Multiple amplifiers may be required in large installations.Refer to the SLS wattage calculator on the Sonance website: sonance.com/collections/sonance-landscape-series

SUBWOOFER INSTALLATION

Sonance Landscape Series systems allow for speakers to be daisy chained in series from one speaker to the next. In a typical system with one zone of audio, run a stereo or 4-conductor speaker wire from the amplifier to the closest speaker. Designate the first speaker as either left or right and connect the appropriate positive and negative wires to the speaker terminals. Continue alternating the wires between the left and right channels for each speaker, creating a daisy chain of stereo satellites. The subwoofer can be wired anywhere in the chain and will receive either left or right speaker wires (see Figure 3).

NOTE: Sonance strongly recommends the use of 14/4 direct burial wire for distances up to 200 feet and 12/4 direct burial for longer runs. Keep wires as short as possible to minimize resistive wire losses.

CAUTION: The amplifier should not be connected to AC power until all SPEAKER WIRE connections are completed. High power 70 volt amplifiers present a serious shock hazard.

1. Locate the subwoofer in an area that will not flood with standing water.
2. Dig the hole using the following guide (see Figure 2).

- LS12T SUB: A=4” B=16” C=17”
- LS15T SUB: A=4” B=19” C=20”

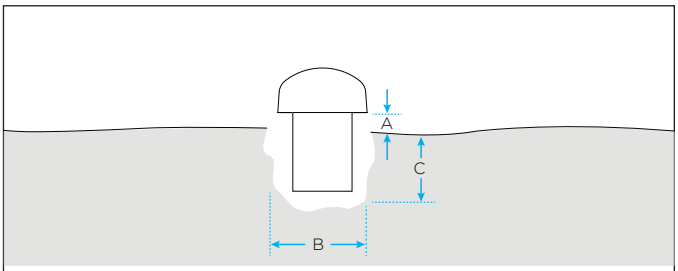


Figure 2

3. Prepare a ‘bed’ for the subwoofer that is reasonably free of voids and large rocks.

NOTE: the subwoofer is very heavy, always team lift. Do not hold by speaker wire or plastic strain relief.

4. Make the appropriate tap selection on the subwoofer before lowering into the ground. Remove the tap cap and rotate the tap dial to the correct 70V/100V or 8 ohm selection and then firmly reinstall the cap.
5. Place the subwoofer into the ground.
6. Fine tune the enclosure depth as required so that the bottom of the canopy will be 4” above the finished grade after backfill.
7. Dig a 4–5” deep trench to run the speaker wires in.
8. Run the wire through the trench from your amplifier to the first speaker location.
9. Connect the direct burial wire to each speaker wire, connections should be made with either silicone filled wire connectors or appropriate junction boxes (see Figure 4).

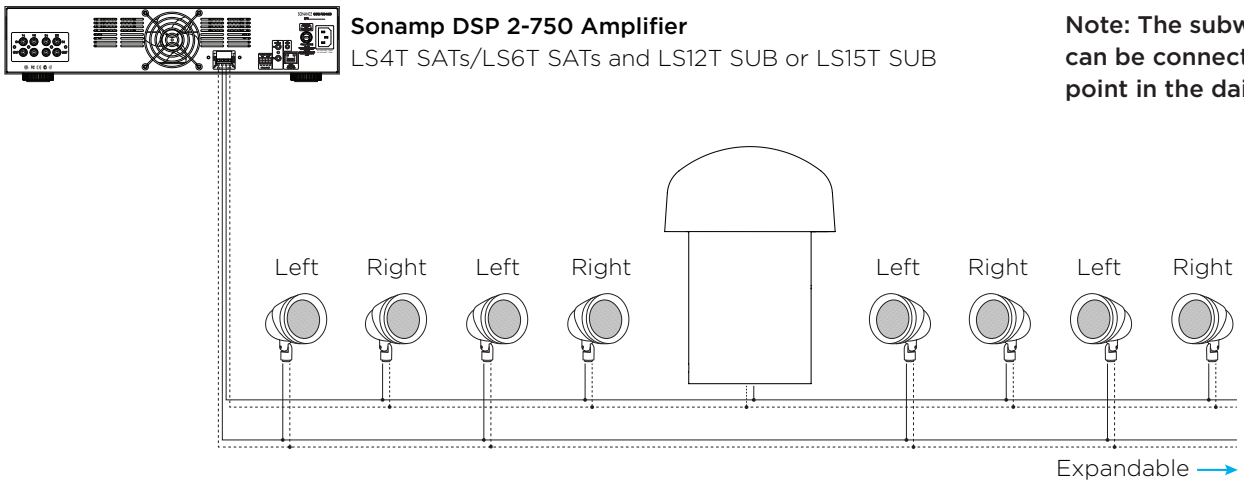


Figure 3: 70V SLS Wiring Diagram Configuration: 4 SATs | 1 SUB or 8 SATs | 1 SUB

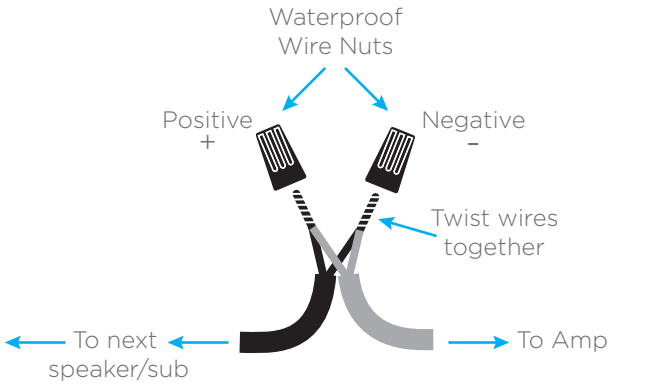


Figure 4: Connect

IMPORTANT: Be sure not to let any stray '+' and '–' strands touch each other. Touching strands can cause a short-circuit that could damage your amplifier and degrade sound quality.

10. After all the speaker connections are completed, connect the wires to your amplifier.

11. Turn your amplifier on and test the system with your favorite music. If the speakers are operating properly, refill the wire trench and enjoy your new speakers.

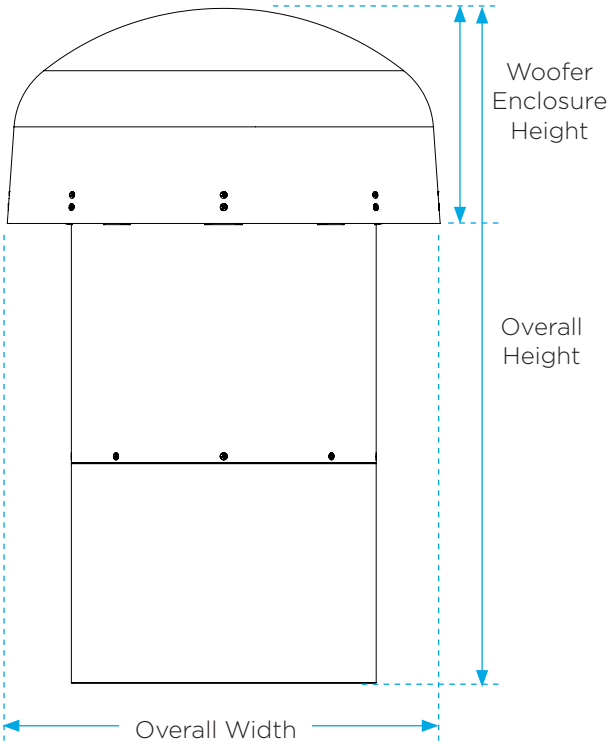
TECHNICAL SPECIFICATIONS

LS12T SUB

Woofer	12” (305mm) polypropylene cone with a Santoprene rubber surround
Frequency Response	22Hz - 100kHz +/-3dB
Transformer Taps	70V 300W, 150W, 75W | 100V 300W, 150W
Impedance	8 ohms
Enclosure Material	Low density polyethylene (LDPE) non-corrosive sealed enclosure. Rust resistant, powder coated aluminum canopy
Overall Dimensions (WxH)	16.97” x 29.13” (431mm x 740mm)
Woofer Enclosure (HxDia)	20.75” x 13.78” (527mm x 350mm)
Shipping Weight	70.55 lbs (32kg)

LS15T SUB

Woofer	15” (381mm) polypropylene cone with a Santoprene rubber surround
Frequency Response	20Hz - 100kHz +/-3dB
Transformer Taps	70V 300W, 150W, 75W | 100V 300W, 150W
Impedance	8 ohms
Enclosure Material	Low density polyethylene (LDPE) non-corrosive sealed enclosure. Rust resistant, powder coated aluminum canopy
Overall Dimensions (WxH)	21.26” x 33.58” (540mm x 853mm)
Woofer Enclosure (HxDia)	23.01” x 16.73” (584mm x 425mm)
Shipping Weight	83.77 lbs (38kg)



LIMITED LIFETIME WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the life of the Product, except for the grille, which is warranted for five (5) years. Sonance will at its option and expense either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent.

EXCLUSIONS: TO THE EXTENT PERMITTED BY LAW, THE WARRANTY SET FORTH ABOVE IS IN LIEU OF, AND EXCLUSIVE OF, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY SONANCE. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR USE, AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. No one is authorized to make or modify any warranties on behalf of Sonance.

The warranty stated above is the sole and exclusive remedy and Sonance's performance shall constitute full and final satisfaction of all obligations, liabilities and claims with respect to the Product.

IN ANY EVENT, SONANCE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, ECONOMIC, PROPERTY, BODILY INJURY, OR PERSONAL INJURY DAMAGES ARISING FROM THE PRODUCT, ANY BREACH OF THIS WARRANTY OR OTHERWISE.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Sonance's express warranty.

Your Product Model and Description: Sonance Landscape Series LS12T SUB | LS15T SUB In-Ground Subwoofers

Additional Limitations and Exclusions from Warranty Coverage: The warranty described above is non-transferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts caused by accident, disaster, negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat or cold or humidity, outdoor installation), or from service or repair which has not been authorized by Sonance.

Obtaining Authorized Service: To qualify for the warranty, you must contact your authorized Sonance Dealer/Installer or call Sonance Customer Service at (949) 492-7777, must obtain a return merchandise number (RMA), and must deliver the Product to Sonance shipping prepaid during the warranty period, together with the original sales receipt, or invoice or other satisfactory proof of purchase.

In order to initiate a warranty claim:

1. Contact Sonance Technical Support with a description of the fault, the speaker's serial number and the date of purchase from an authorized Sonance dealer at: technicalsupport@sonance.com
2. Sonance Technical Support will follow-up and may request additional troubleshooting.
3. Once a determination has been made on the fault, Sonance Customer Service will follow-up by email. Please have a scanned copy of your Sonance Landscape Series Speaker sales invoice ready to send upon request to document the speaker's warranty status.
4. Sonance Customer Service will provide an RMA number to be included on the shipping label of the packaging. Please send the speaker back in its original factory carton, which has been specifically designed to protect the speaker during transit.

Contact us at: https://www.sonance.com/company/contact

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