ORIGIN ACOUSTICS®

SEASONS LANDSCAPE COLLECTION™

Installation Manual

LS64, LS44, OSUB12, OSUB10, OSUB8

Table of Contents

Introduction

Thank you for purchasing the Seasons Landscape LS 60 & 40 Speaker and/or OSUB Subwoofer. At Origin Acoustics, we take pride in providing you with a high quality product. All of Origin Acoustics' speakers are designed to have excellent sound quality, longevity, and a simple installation process.

This instruction booklet covers the necessary information for a smooth installation, including: the tools you will need, step-by-step instructions for installation, troubleshooting tips for any errors that may occur, and all warranty information. If for any reason you experience problems or if you have installation questions please call us at (844) 674-4461. Hours of operation are 8:00am to 5:00pm (Pacific Time), Monday through Friday.

Specifications

MODEL	LS64	LS44
PART	**OLS6600**	**OLS4400**
Woofer	6” Poly, Passive Radiator	4 ½” Poly
Tweeter	1” Titanium	¾” Titanium
Frequency Response	60Hz-20kHz	80Hz-20kHz
Power RMS	50 Watts	50 Watts
Power Peak	150 Watts	150 Watts
Impedance	8 ohm/70V	8 ohm/70V
Transformer Taps	70V – 50W/25W/12.5W/6.25W	70V – 30W/15W/7.5W/3.75W
Dimensions	11 x 7 x 7” (279 x 178 x 178mm)	8 5/16 x 5 5/15 x 5 5/16” (211 x 135 x 135mm)

Specifications

MODEL	OSUB12	OSUB10	OSUB8
PART	**OSUB12000**	**OSUB10000**	**OSUB8000**
Woofer	12” Poly	10” Poly	8” Poly
Frequency Response	23Hz-100kHz	32Hz-100kHz	39Hz-100kHz
Transformer Taps	300 Watts	300 Watts	100 Watts
Impedance	8 ohm/70V	8 ohm/70V	8 ohm/70V
Dimensions	17 ¾ x 17 ¾ x 23 ½” (451 x 451 x 597mm)	15 ¾ x 15 ¾ x 21 ½” (400 x 400 x 546mm)	12 $^{13}/_{32}$ x 21 $^{3}/_{16}$ x 12 $^{13}/_{32}$” (315 x 538 x 315mm)

Tools & Items

- Direct Burial Wire
- Speaker Wire
- Wire Stripper
- Measuring Tape
- Shovel
- Screwdrivers

Wire Recommendation

The gauge of wire used can have an impact on the performance of your speakers. Use a multi-stranded wiring designed for amplifier to speaker connections. Which gauge to select depends on the length of wire to be used on any particular speaker. The longer your run is, the larger your wire size must be.

Wire Length	Wire Gauge
0 -100’ (0 - 30m)	16
50 - 150’ (15 - 45m)	14
Over 100’ (30m)	12

About Speaker Wire

You will need a wire that has at least two conductors; one that can be identified as the positive and the other as the negative. All two conductor wires have some means of identifying which conductor is which, but at times this identification may be subtle. It’s crucial that you keep track of which wire you use for positive (+) and negative (-). Typically if the wires are colored red and black, the red wire is used for positive and the black wire is used for negative, but sometimes other

colors or patterns are used. You can choose whichever color of wire you want to be positive and negative as long as you remain consistent throughout the install.

On both your amplifier and your speaker the connectors will be identified as red for positive and black for negative. It is very important to look carefully at the speaker wires and be certain that the same wire that is attached to the positive connector in the amplifier is attached to the positive connector in the speaker.

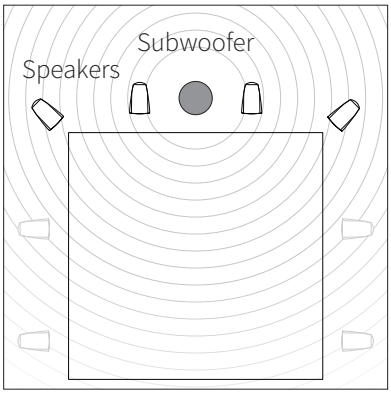
Planning

The Landscape satellite speakers and subwoofers should be strategically placed to evenly distribute sound throughout the outdoor area. Fully plan out the locations of all satellite speakers, subwoofers and buried wires before beginning the installation process.

Origin satellite speakers have been specially designed so that you can set them in the 70v configuration for large installs, or for small installs they can be set to 8Ω for use with a standard AV receiver. (If using the OSUB8, 10 or 12 in 8 Ohm we recommend using a dedicated subwoofer amplifier. *See Origin SUBA150, SUBA500)

The first step to locating your speakers is to plan the speaker layout. Origin Acoustics offers a free design service to help you map the optimal speaker placements as well as recommended amplifier power and project scale. (Email customerservice@originacoustics.com for more information.) If, however, you want to plan the layout yourself, here are some guidelines.

Speaker Location



Satellite speakers should be fairly evenly spaced and aimed so they cover the listening area uniformly. One satellite speaker will provide sound to about 250 to 500 sq ft, depending on your loudness requirements. Origin makes mounting hardware available so that you can easily and securely locate satellite speakers on the ground, flat surfaces like walls or even on trees. You should avoid placing them next to high-pressure sprinklers.

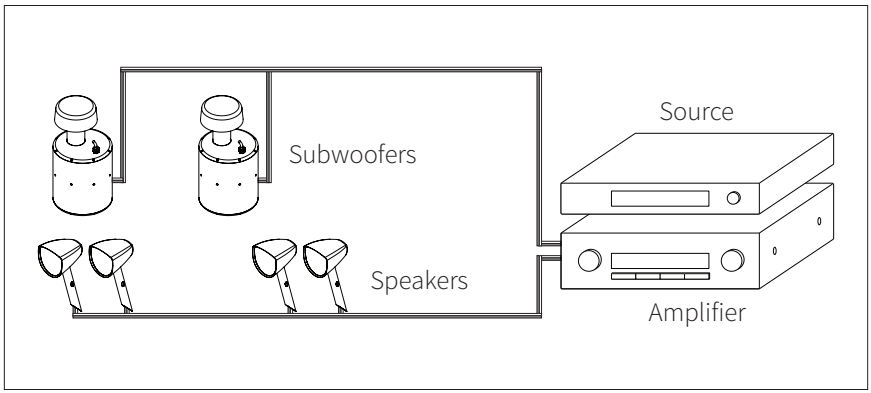
Subwoofer Location

Select a location for the subwoofer somewhat near the middle of the satellite speaker arrangement. One subwoofer will provide bass to about 1000 to 2000 sq ft. When using multiple subwoofers, space them out evenly and about equal-distance from the listening area. Subwoofers should be positioned away from standing water.

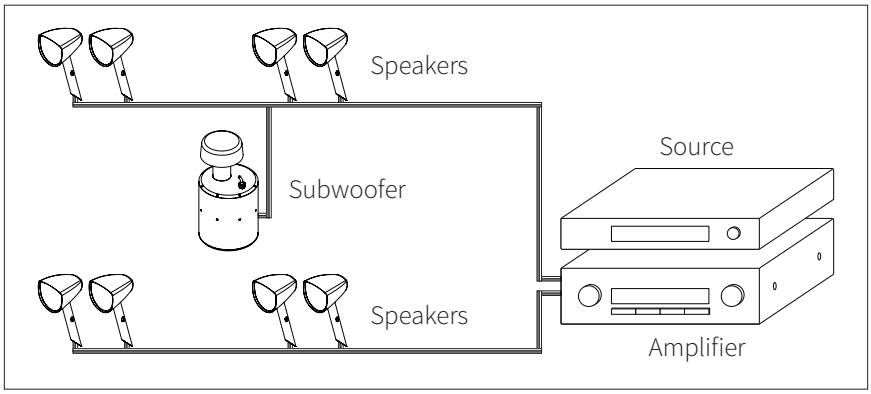
Wire Planning

For most applications, we recommend wiring all subwoofers on a designated wire run and satellites on a separate wire run. This will allow the Crown CDi amplifier to use the presets with active crossovers that remove the bass from the satellites, more effectively controls how the subwoofer interfaces with the satellites, permits you to control the subwoofer-to-satellite balance and has the custom DSP (digital signal processing) assigned to subwoofers and satellites separately.

All speakers on a wire run -- satellites or subwoofers -- can be daisy-chained (wired in parallel). Subwoofers will need to be on CH1 and satellites on CH2.



Another option that you may be more familiar with allows you to daisy-chain satellites and subwoofers on the same wire run(s). With this approach, the Crown presets still use custom DSP but the crossover between satellites and subwoofer is passive. Subwoofer(s) can be connected to either channel anywhere in the chain. When using more than one subwoofer, evenly distribute them between the two channels.

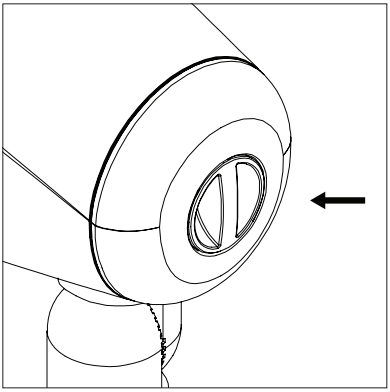


Small System Option:

For a smaller system, it's possible to use an ordinary 8 Ohm receiver or amplifier. For this use case, all speakers and subwoofers must be set to 8 ohm. (No more than two speakers per channel)

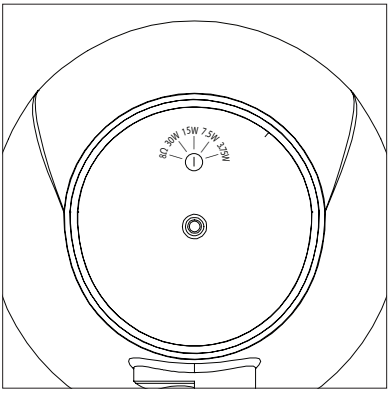
1. Satellite Speakers

Install the satellite speakers with their mounts. (Depending on the location and type of mount, you may want to connect the wires to the satellite speakers first.)



To aim the satellite speaker up and down, loosen the screw on the pole until the satellite speaker can be aimed, and then tighten it when it's facing the appropriate direction. To prevent

water damage, angle the satellite speaker less than 45 degrees up.



To aim the satellite speakers side to side on the tree or surface mount, the satellite speaker first should be screwed fully to the mount. Then, loosen it until it's facing the right direction. Move the bolt just until it's snug against the mount.

The rear cover on the satellite speaker can be removed to adjust the wattage taps to adjust the volume. Do not set it to 8 ohm unless you're planning on using the "Small System Option" discussed above.

To remove the back cover and access the wattage controls, unscrew the knob on the back. Then the back panel can be removed. When reattaching the back panel, make sure it's oriented properly, or it may not fit.

2. Subwoofer

When you've decided on a subwoofer location, you're ready to dig its hole.

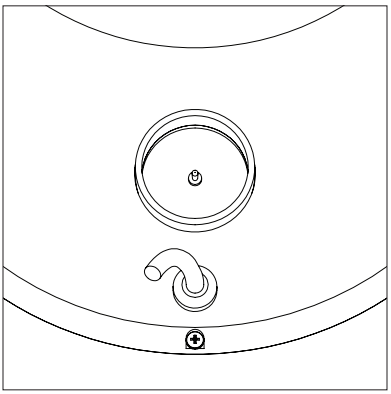
OSUB8: 14" diameter, 15" deep

OSUB10: 20" diameter, 15" deep

OSUB12: 22" diameter, 17" deep

Use loose dirt to level the subwoofer. The subwoofer shouldn't be in contact with large rocks or large empty holes. Using the pipe clamp, attach the pipe to the subwoofer. Do not lift the subwoofer by holding the port tube as this could damage the subwoofer.

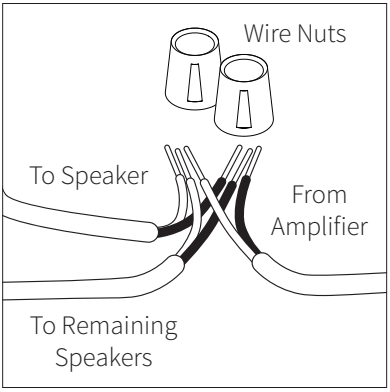
All Origin OSUB in ground subwoofers can be switched from 8 Ohm or 70v. Once you decided what type of system you are going to run (8ohm or 70v) please adjust the switch on the top of the OSUB located under the cap. Please note that the default position for all satellites and subwoofers is 70v.



2. Installing the Wire

Dig a 5” trench where you plan on laying out the wire. Run the wire from the amplifier to your first satellite speaker or subwoofer location.

Using waterproof wire nuts (included), connect the wire to the first speaker using the following diagram as reference.



Bundle all three of the positive wires (wire from the amplifier, the first satellite speaker, and to the rest of the satellite speakers) together and connect them with the first wire nut. Then do the same for all the negative wires.

Continue connecting the speakers in this fashion until you reach the end. Connect the wires to the amplifier. Connect your music playing device and test the system. If everything is working properly, fill all the holes and trenches.

Troubleshooting

If possible, it's often good to try to isolate the problem first. For example, if you're playing a DVD on a television and there's no sound, try connecting an MP3 player to the system to see if that works. If it does work, then the problem is with the television, DVD player, or the cables connecting them. If it doesn't work, the problem will be with the amplifier, speakers, or those cables.

Problem	Possible Cause
No Sound	The volume may be turned down or muted. Check the volume settings on both the amplifier and the television/computer/CD player/etc.
No Sound	Make sure the proper source is selected on the amplifier or receiver.
No Sound	Check the cord connecting the amplifier with the source. The cord may be damaged or plugged into the wrong input or output.
No Sound	Check the wires connecting the amplifier with the speakers. Make sure they're connected properly and not damaged in any way.
Poor Sound Quality	If you hear something like static, or the sound is cutting in and out, check the audio cables. If the problem increases when a cable is being moved, then the cable is most likely faulty or not connected properly.
Poor Sound Quality	Today's audio systems may have several places to adjust the volume, for example your MP3 player may have a volume control, and your amplifier may also have one. Check to be certain that the volume isn't turned up past 80% on any device.
Poor Sound Quality	Try changing sources to be certain that the selection you've chosen is a good quality recording.

Technical Assistance

If you have any questions or concerns about installing or using this product, you can reach us through one of the following methods:

Phone: (844) 674-4461
Hours of operation: 8:00am - 5:00pm (Pacific Time), Mon - Fri
Email: techsupport@originacoustics.com

If you are having technical trouble, please include the model number and briefly explain what steps you took to resolve the problem in your email, or be prepared to answer these questions over the phone. If you are considering returning the product, it's required that you contact Origin Acoustics prior to any return attempts. This way we can determine if the issue can be resolved without returning the product, or if needed we can provide instructions and support for the return process.

Limited 5 Year Warranty

Origin Acoustics warrants to the original retail purchaser only that this Origin Acoustics product will be free from defects in materials and workmanship, provided the speaker was purchased from an Origin Acoustics authorized dealer.

If the product is determined to be defective, it will be repaired or replaced at Origin Acoustics' discretion. If the product must be replaced yet it is no longer manufactured, it will be replaced with a model of equal to or greater value that is the most similar to the original. If this is the case, installing the replacement model may require mounting modifications; Origin Acoustics will not be responsible for any such related costs.

Requirements & Warranty Coverage

This warranty may not be valid if the product was purchased through an unauthorized dealer. This warranty only applies to the individual that made the original purchase, and it cannot be applied to other purchases. The purchaser must be prepared to provide proof of purchase (receipt). This warranty will not be valid if the identifying number or serial number has been removed, defaced, or altered.

Not Covered by Warranty

- Accidental damage
- Damage caused by abuse or misuse
- Damage caused by attempted repairs/modifications by anyone other than Origin Acoustics or an authorized dealer
- Damage caused by improper installation
- Normal wear, maintenance, and environmental issues
- Damage caused by voltage inputs in excess of the rated maximum of the unit
- Damage inflicted during the return shipment

Return Process

Before making any return attempts, it is required that you first contact Origin Acoustics. Return product to Origin Acoustics or your dealer, either in person or by mail. It's preferable if the product is returned in the original packaging. If this isn't possible, the customer is responsible for insuring the shipment for the full value of the product.

This warranty is in lieu of all other expressed or implied warranties. Some states do not allow limitations on implied warranties, so this may not apply depending on the customer's location. (For more information, see Magnuson-Moss Warranty Act.)

6975 S Decatur Blvd, Las Vegas, NV 89118 • www.originacoustics.com • 844-674-4461