



# ACOUSTIC LANDSCAPE COLLECTION™

## AS50SYS



### Installation Manual

### AS50SYS

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## Introduction

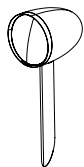
Thank you for purchasing the AS50 Hi-Fi Landscape Audio System. At Origin Acoustics, we take pride in providing you with a high quality product. All of Origin Acoustics' speakers are designed to have excellent sound quality, longevity, and a simple installation process.

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.

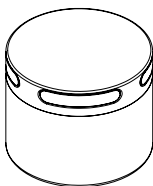
# Specifications

<b>MODEL</b>	<b>AS50SYS</b>
<b>PART</b>	AS5000SYS ( 4 Satellites & 1 Subwoofer)
<b>Satellite Woofer</b>	5 ¼" Poly/Rubber Woofer
<b>Satellite Tweeter</b>	1" Titanium
<b>Subwoofer</b>	10" Dual Voice Coil Poly/Rubber Woofer
<b>Frequency Response</b>	35Hz-20kHz
<b>System Power Handling</b>	160W RMS/ 400W Peak (per Channel)
<b>Impedance</b>	6 Ω Nominal (System)
<b>Satellite Head Dimensions</b>	6 7/16" Dia x 7 7/8" H x 8" L (163 x 200 x 204 mm)
<b>Satellite Spike Dimensions</b>	14 1 1/16" H (373 mm)
<b>Subwoofer Dimensions</b>	15 3/4" Dia x 12 7/8" H (400 Dia x 326 H mm)

## What's Included



Satellite Speaker



Subwoofer



Wire Nuts



Start Guide

## Tools Needed

- Drywall Saw
- Wire Stripper
- Screwdriver
- Speaker Wire
- Measuring Tape
- Pencil
- Shovel

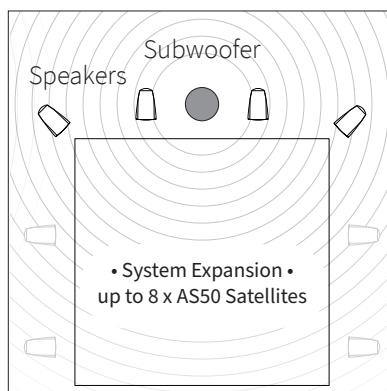
## Wire Recommendation

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

## System Planning

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



## System Location

Speakers should be fairly evenly spaced in a line and aimed so they cover the listening area uniformly. For best coverage, we recommend placing the speakers 6 to 8 feet apart.

Select a location for the subwoofer somewhat near the middle of the speaker arrangement. For more bass, install the subwoofer near a wall or other solid surface. Subwoofers should be positioned away from standing water.

## Amplifier & Wiring Plan

Ideally, all the speakers and subwoofer will be connected to two parallel wire runs, and these wires will be buried in single trench. The Acoustic Landscape System is designed for the speakers to be evenly divided between these two wire runs, with the subwoofer connected to both. Most receivers can safely handle up to 8 speakers and a subwoofer (4 ohm load).

# Wiring Plan with Origin PRO ProA250.2 Amplifier

Amp Output mode set to Hi-Z -70V/100V [Bridge mode]

- OUTPUT CH1/CH2 for Satellites
- OUTPUT CH3/CH4 for Subwoofers

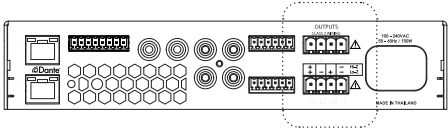


Fig. 1 - With 4 Satellites

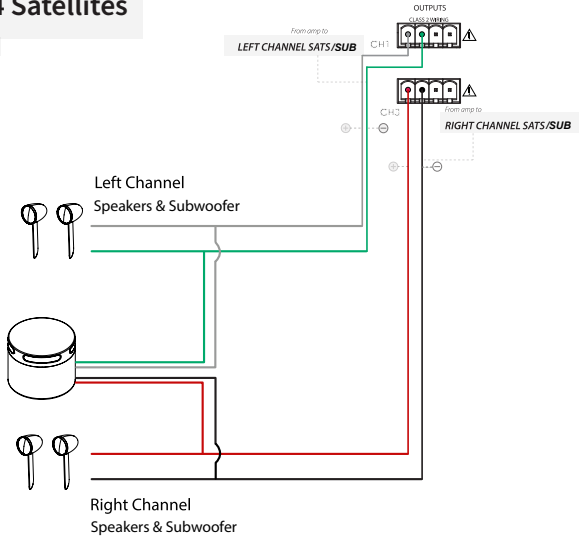
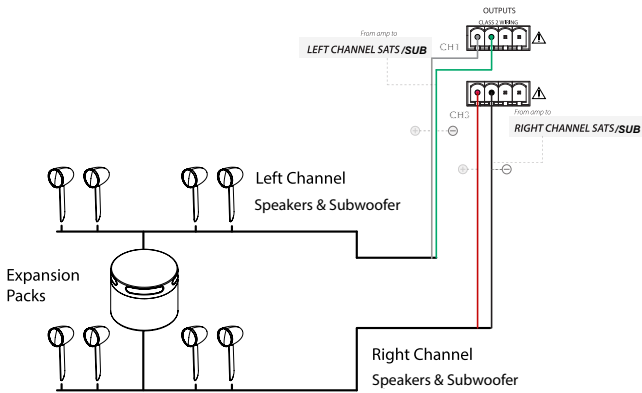


Fig. 2 - With 8 Satellites (Expansion Pack)



# Wiring Plan with Origin DSP2-200 Amplifier

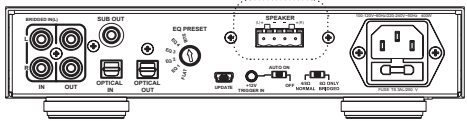


Fig. 1 - With 4 Satellites

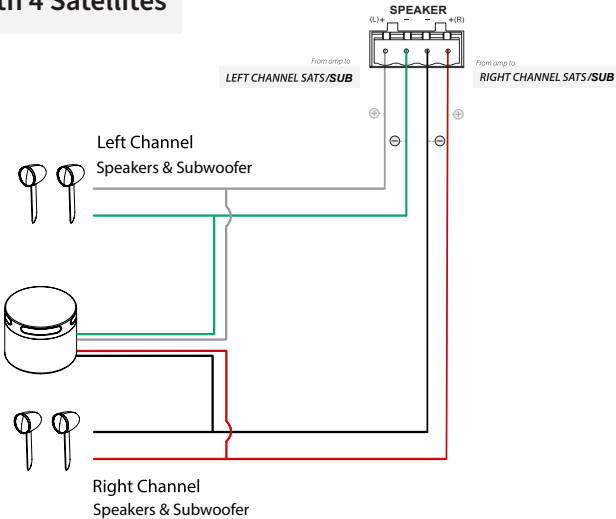
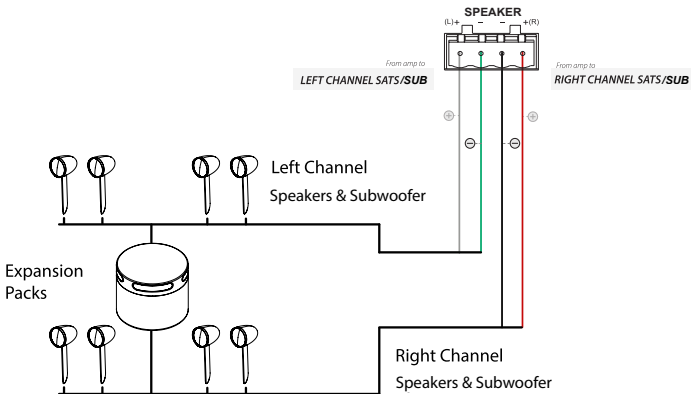


Fig. 2 - With 8 Satellites (Expansion Pack)





## 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.

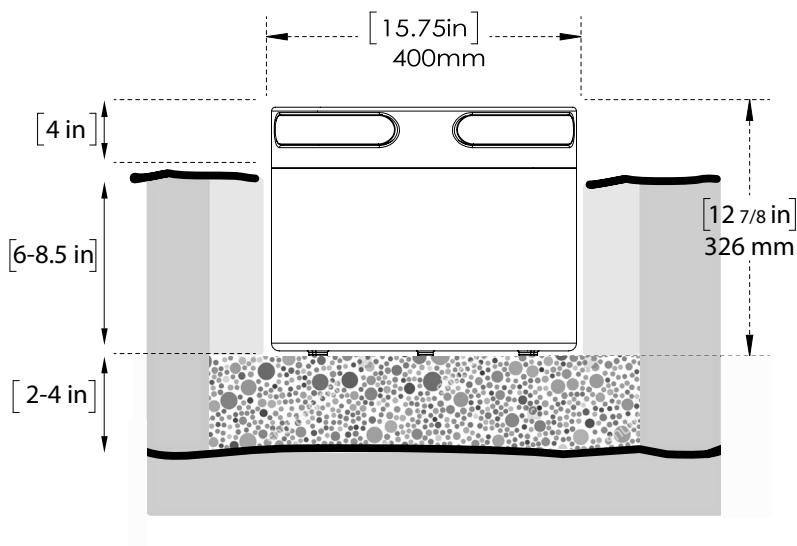
## Installing the System

**A.** Lay out the speakers and subwoofer in their selected locations. To prevent water damage, angle the speaker less than 45 degrees up.

**B.** Dig a hole for the subwoofer, with the following minimum dimensions:

16" Diameter • 16" Depth

**C.** Place a layer, 2-4 inches thick, using a sand and gravel mix (3/8" recommended gravel size), or other material approved by local codes) ensuring there are no large rocks or large empty holes.



**D.** Place subwoofer, as level as possible, not tilted, in the center of hole & use loose dirt to level the subwoofer, ensuring the subwoofer is not in direct contact with any large rocks or large empty holes.

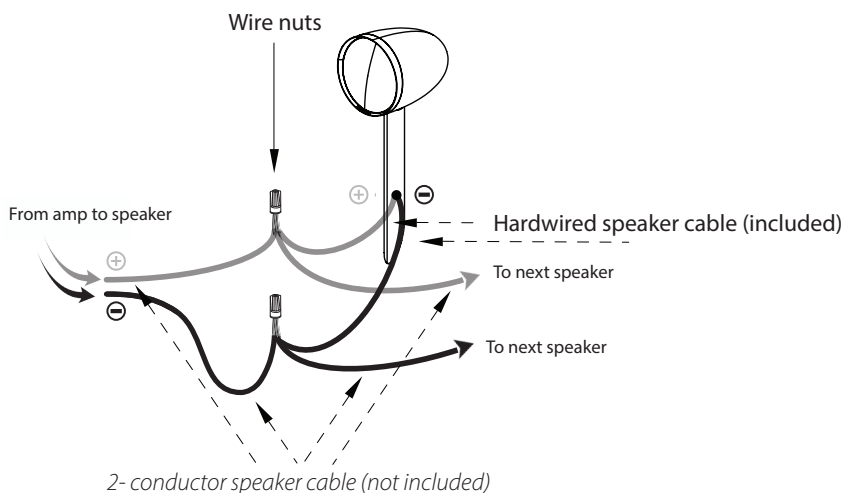
**E.** Fill remaining space around subwoofer with loose dirt. Ensure that all vents are exposed and allow a visible space of about 4 in. (102mm) from the ground level to the top of the subwoofer, - it should not be buried or set at the ground level height.

**F.** Dig a 5" trench where you plan on laying out the wire. Run the wire from the amplifier to your first speaker location.

# Installing the Wire

## A. Wire from Amplifier to Satellite Speakers

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

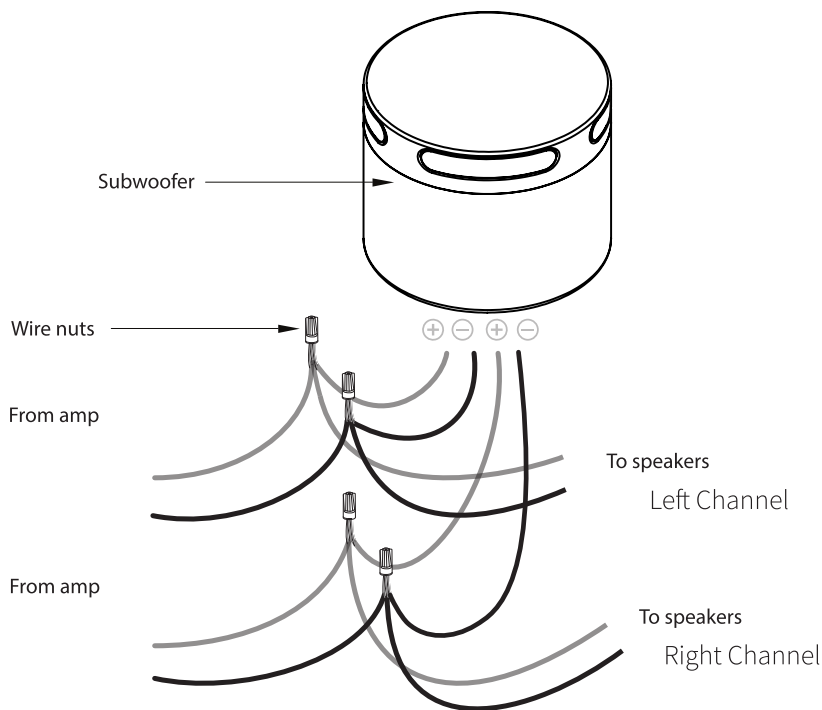


Run the wires to the next speaker and connect them the same way, but this time connect the right channel positive and negative wires. Continue connecting the speakers like this, alternating left and right, until you reach the subwoofer.

## B. Wire from Amplifier to Subwoofer

The subwoofer should have four input connections. Using the wire nuts, connect both left and right channels to the subwoofer, making sure positive is connected to positive and negative is connected to negative. Continue down the line and connect the rest of the speakers. Then connect the wires to the amplifier with the volume turned down.

Connect your music playing device and test the system. When 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: [sales@originacoustics.com](mailto:sales@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 Acoustic Landscape 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

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

If the product is determined to be defective, it will be repaired or replaced at Acoustic Landscape's 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; Acoustic Landscape 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 Acoustic Landscape 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 Acoustic Landscape. Return product to Acoustic Landscape 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.)





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