



Installation Manual



Seasons Collection

Models: OS54
OS56
OS54DT
OS64
OS66
OS64DT



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Introduction

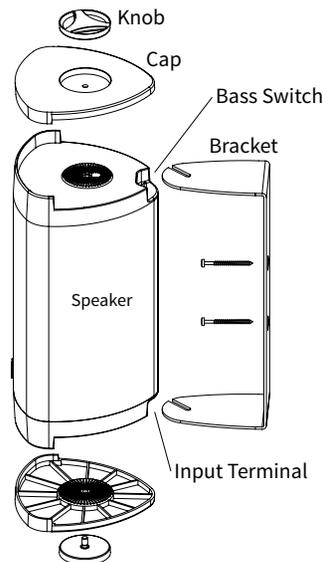
Thank you for purchasing the Seasons outdoor speaker. At Origin Acoustics, we take pride in providing you with a high quality product. All of Origin Acoustics' speakers are designed to have excellent sound quality, longevity, and a simple installation process.

This instruction booklet covers the necessary information for a smooth installation of your outdoor speaker, 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.

Installation Requirements and Recommendations

What's included

- Speaker
- Bracket
- Template
- Screws (x2)
- Input Connector



Required Tools/Items

- Speaker wire
- Wire stripper
- Drill with 1/8" drill bit (Hammer drill for masonry)
- Pencil

Speaker Wire Recommendations

For this setup, use a multi-stranded wiring designed for amplifier to speaker connections. The gauge of wire used can have an impact on the performance of your speakers and we would recommend that you choose the largest wire size that is practical for your installation. Which gauge to select depends on the length of wire to be used on any particular speaker. In general the shorter the run the smaller the wire size you can use, however you can never go wrong by using a thicker gauge.

Wire Length		Recommended Gauge
Feet	Meter	
0-100	0-30	16
50-150	15-45	14
100+	30+	12

Optional Tools/Items

- Stud finder To locate studs
- Fish tape To route wire through walls
- Masonry anchors, or For installations in masonry
- Hollow-wall anchors For installations in hollow walls



Installation

1) Running the Wire

Fully plan out how you'll route the wire to the desired speakers.

When choosing the point where the wire exits the house, remember that it's best if less wire is exposed to the outside elements. Try to find a point in the wall as close to the speaker as possible when drilling a hole for the wire. Once you run the wire through that point, be sure to properly seal the hole.

If you're routing the wire underground, use a direct burial wire. To prevent future damage, it's recommended to also use a PVC conduit.

When the wire can't be run through the wall, make sure it's secured in a safe, out-of-the-way route to avoid damage.

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 on the amplifier is attached to the positive connector on the speaker.

2) Tracing the Template and Drilling the Holes

Using the template, mark the location for the screws on the wall. (The speaker can be mounted vertically or horizontally.)

Depending on the type of surface you're installing the speaker on, you may need to use anchors of some kind. If you're installing the speaker on a hollow wall, it's recommended you use hollow-wall anchors. Likewise, if you're installing the speaker on brick, stone, or concrete, it's best to use masonry anchors.

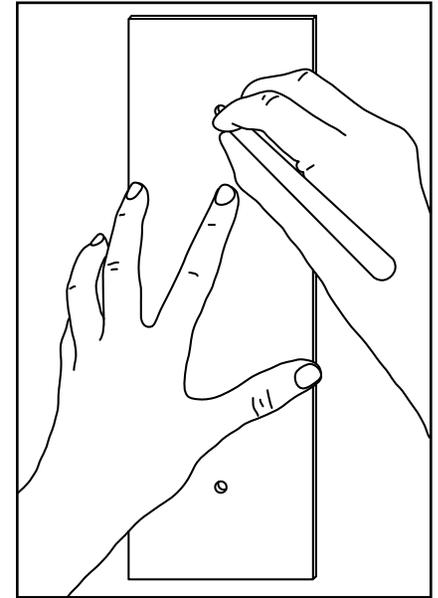


Figure 5.1: Trace Template

Drill the holes for the screws. If you're installing the speaker on brick, stone, or concrete, use a hammer drill. Install the screws leaving a 1/10" (2.5mm) space between wall and screwhead for hanging the bracket.

3) Mounting the Speaker

When you're finished, hang the speaker on the wall. The speaker is designed to have the tweeter at the top if it's mounted vertically, or to the outside if mounted horizontally. If the speaker is installed horizontally, the logo can be rotated to be right-side-up.



4) Connecting the Wire

Strip ¼" (6 mm) of the insulation off both ends of the wire. To avoid stray strands, twist them at the end.

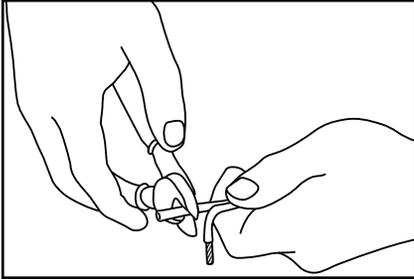


Figure 6.1: Strip Wire

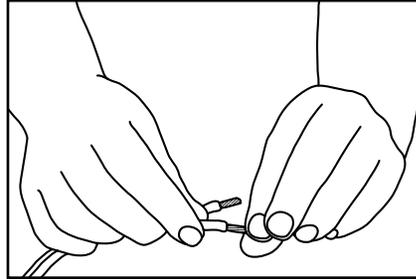


Figure 6.2: Twist Ends

On the speaker, remove the rubber cover from the input terminal. Pull the wire through the cover, so it can be reattached to the speaker after the wire has been connected.

Insert the wires into the connector, making sure that the positive wire is being attached to the (+) connection and the negative wire is being attached to the (-) connection. (If the negative and positive wires are switched, speaker performance will be drastically impacted.) Insert the connector into the matching receptacle on the speaker.

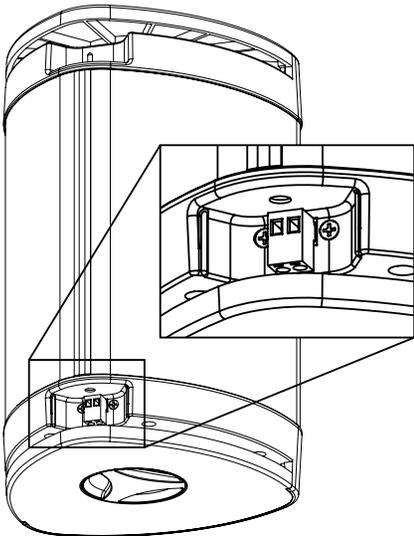


Figure 6.3: Input Terminal

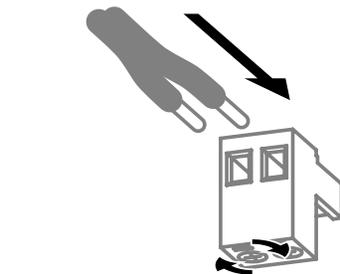


Figure 6.4: Attaching Wires to Plug

If it's difficult to insert the connector because the mounting bracket is in the way, the bracket can be rotated to the side. Simply turn the knobs on the top and bottom counter clockwise to loosen the bracket so it can be moved to the side.

Slide the cover up the wire and reattach it to the speaker.

Connect the wire to the amplifier, and make sure the wire connected to the left speaker output will be routed to the left speaker, right output to right speaker, etc.

5) Adjusting the Bass

Our season speakers are designed to compensate the bass for the effects of outdoor bass (0dB). The OS56 and OS66 models have a switch to adjust the bass for indoor use (-3dB).

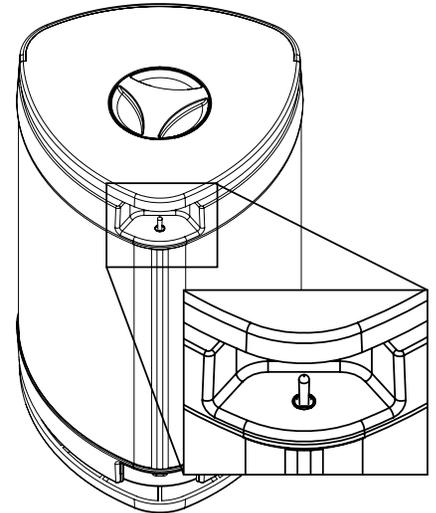


Figure 7.1: Bass Terminal

6) Aiming the Speaker

If you haven't already, turn the knobs at the top and bottom counter clockwise to loosen the mounting bracket. Turn the speaker so it's facing the way you'd like it to face and tighten the knobs.

The knobs, bracket, and end caps can be fully removed, but for the most part there's no benefit in doing so.



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.
	Make sure the proper source is selected on the amplifier or receiver.
	Check the cord connecting the amplifier with the source. The cord may be damaged or plugged into the wrong input or output.
	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.
	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.
	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.

**Specifications**

Model Number	OS54B / OS54DTB / OS54W / OS54DTW	OS56B / OS56W	OS64B / OS64DTB / OS64W / OS64DTW	OS66B / OS66W
Part Number	OCS5400B / OCS5400DTB / OCS5400W / OCS5400DTW	OCS5600B / OCS5600W	OCS6400B / OCS6400DTB / OCS6400W / OCS6400DTW	OCS6600B / OCS6600W
Tweeter Dome	Aluminum	Aluminum	Aluminum	Aluminum
Tweeter Diameter	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Woofers Cone	IMG	Glass	IMG	Glass
Woofers Diameter	5.25" (124mm)	5.25" (124mm)	4x8" (100x200mm)	4x8" (100x200mm)
Grille Material	Powder coated aluminum			
Adjustments	N/A	Bass	N/A	Bass
Frequency Response	68Hz-24kHz	63Hz-24kHz	60Hz-24kHz	52Hz-24kHz
Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	5-70 watts (OS54) 5-80 watts (OS54DT)	5-60 watts	5-80 watts (OS64) 5-100 watts (OS64DT)	5-70 watts
Sensitivity	88dB ± 3dB	90dB ± 3dB	88dB ± 3dB	90dB ± 3dB
Size (WxHxD)	6.75x10.5x7.125" (170x266x180mm)		6.75x13.25x7.125" (170x336x180mm)	



Warranty

Limited Lifetime 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 and 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.

This warranty does not cover the following:

- 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.)

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