

INSTRUCTION MANUAL

SONANCE LANDSCAPE SERIES

MARINER® SINGLE-STEREO

OUTDOOR SPEAKERS



INTRODUCTION

Thank you for purchasing Sonance Mariner weather-resistant speakers. When properly installed, these speakers will give you many years of outdoor entertainment pleasure. To get the most out of your new speakers, please read this manual thoroughly before you begin installation.

The directions in this manual apply to the Mariner 62SS and Mariner 52SS models.

PARTS LIST

Your Sonance Mariner speakers include the following:

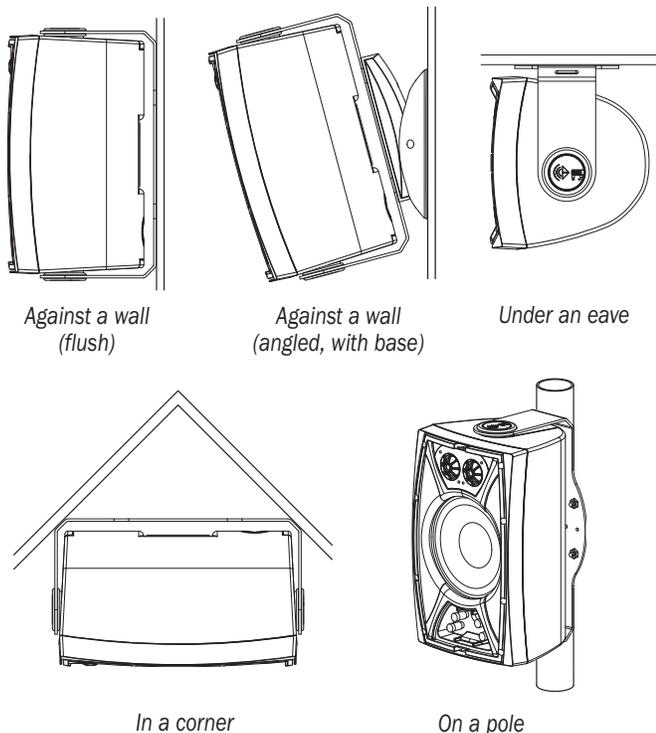
- (1) Sonance Mariner SS speaker
- (1) Grilles
- (1) Wiring terminal covers
- (1) Fastmount Bracket
- (2) Mounting bracket base halves
- (1) Plastic inserts (to fill bracket indentations when mounting brackets are not used)
- (1) Hardware package

SPEAKER PLACEMENT

Sonance Mariner SS speakers combine the outputs of your amplifier's left and right stereo channels, and play both stereo channels from just one speaker. A single Mariner SS speaker to deliver outstanding performance in areas where listeners will be moving around, or where a pair of stereo speakers would be impractical.

The Mariner SS speakers are highly weather-resistant, and when mounted outdoors will perform exceptionally well for years even under adverse weather conditions.

The new Mariner mounting system makes it easy to mount the speakers in a variety of positions and locations:



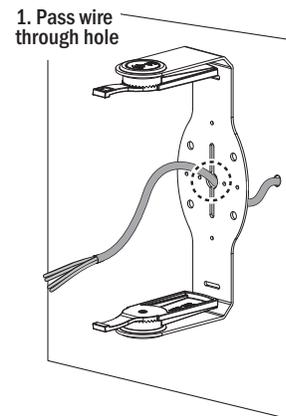
The best performance is obtained by placing the speaker at ear level, facing the listeners.

- If you are mounting the speaker above or below ear level, pivot it up or down to direct the sound towards the listeners.
- You can orient the speaker either horizontally or vertically without affecting the sound quality.

CONNECTING AND ASSEMBLING THE SPEAKERS

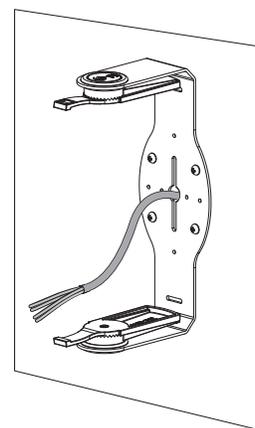
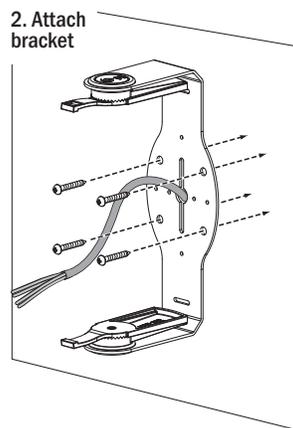
WARNING: Turn the amplifier's power OFF until you have completed all of the connections and have determined that they are correct. (If the amp's AC plug is accessible we recommend that you unplug it from the wall outlet to avoid accidental turn-on and possible damage to the amplifier.)

1. In most cases you will be able to attach the mounting bracket directly to the mounting surface. Run the speaker wires from the amplifier to the speaker location and through the hole in the mounting bracket (and mounting base, if used).



Note: To increase water resistance and make installation easier, the speaker wire terminals are located on the Mariner speakers' front panel. Be sure to leave enough wire at the speaker location to feed through the tunnel in the speaker enclosure and connect to the terminals on the front.

2. Attach the mounting bracket to the mounting surface using hardware (not included) that is appropriate for the type of surface.



- If the installation requires that the speaker be mounted in a corner, attach the bracket with hardware through the slots in the angled corners as shown to the right.

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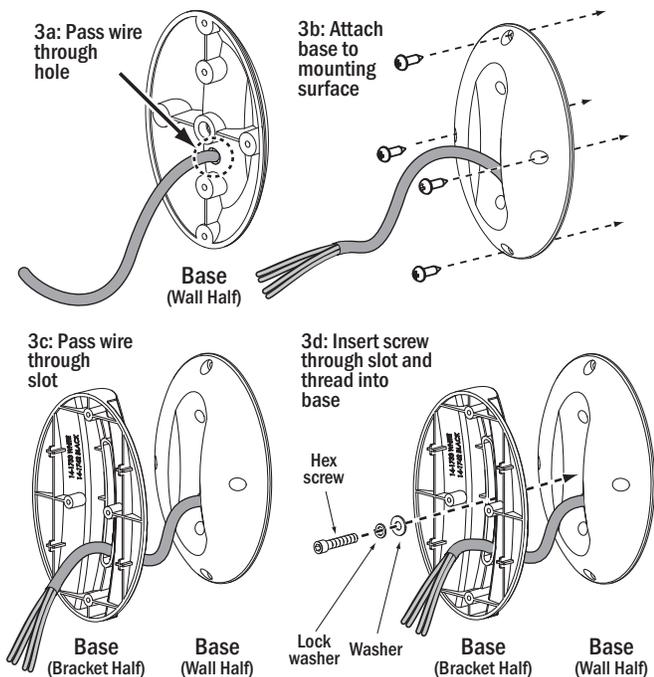
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3. If the installation requires that the speaker be mounted vertically and that it pivot in the vertical dimension (or be mounted horizontally and pivot in the horizontal dimension), you must use the included mounting base in addition to the bracket:

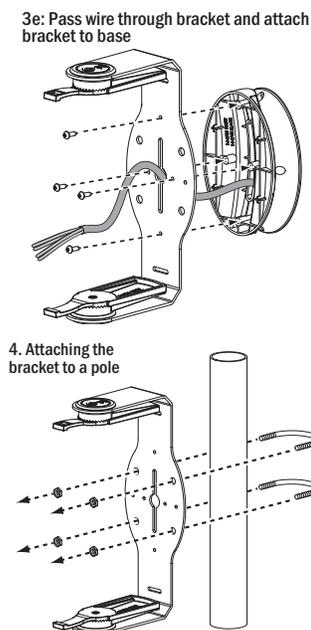
- 3a. Run the speaker wire through the hole in the wall half of the base.
- 3b. Attach the wall half of the base to the mounting surface using hardware (not included) that is appropriate for the type of surface.
- 3c. Pass the speaker wire through the slot in the bracket half of the base.
- 3d. Use the included hardware and allen wrench to assemble the base halves.



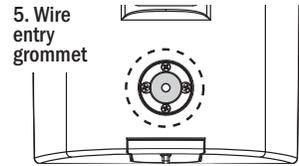
3e. Use the included 4 self-tapping screws to attach the bracket to the mounting base.

- Before attaching the bracket to the base, pass the speaker wire through the hole in the center of the bracket.
- To adjust the speaker, loosen the hex screw with the supplied allen wrench, pivot the bracket/base and tighten the hex screw.

4. If the installation requires that the speaker be mounted on a pole you can attach the brackets to the pole using 2½" U-bolts (not included).



5. Feed the speaker wires from the bracket into the wire entry grommet on the back of the speaker, through the wire tunnel and out the opening on the speaker's front panel.

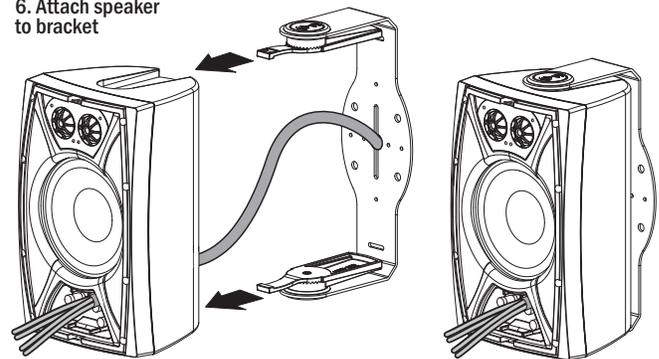


- The grommet forms a water-resistant seal around the speaker wire.
- Make sure there is enough slack in the wire to allow the speaker to pivot on the bracket.

6. Slide the speaker onto the bracket until the locks snap into place.

- Pull enough wire through the front of the speaker to allow connection to the terminals.

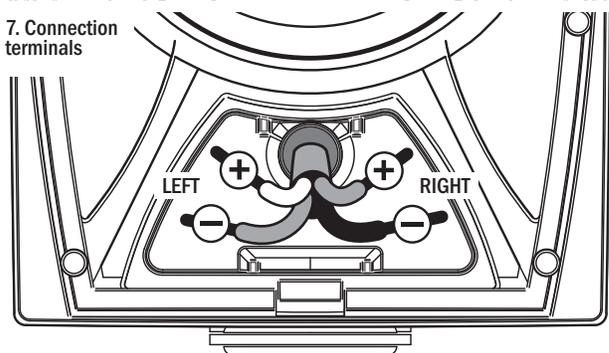
6. Attach speaker to bracket



7. Connect the speaker wires to the speaker's terminals:

- a. Strip about ½" of insulation from each conductor and twist the strands together or tin them with solder.
- b. Press-down on the tops of the connectors to open them.
- c. Insert the wires into the connector holes as shown.
- d. Release the connectors.

7. Connection terminals



- The binding post connectors can accept wire up to 14 gauge.
- Double-check that you connected all of the wires properly (amplifier '+' to speaker '+'; amplifier '-' to speaker '-') at all connections.

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

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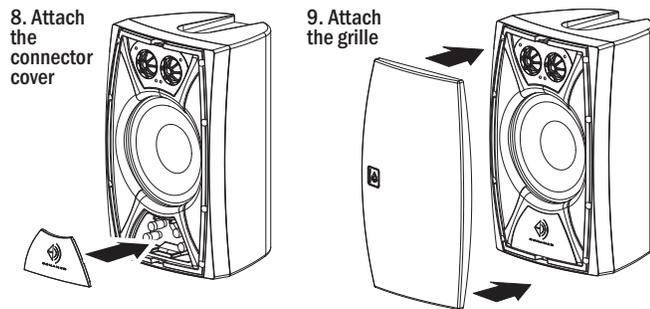
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8. Fit the wiring connector cover into the recess in the speaker's front panel. The cover should fit tightly, but can be removed and replaced if the speaker needs to be disconnected.
9. Fit the grille onto the speaker.
 - The Sonance logo can be removed, rotated 90° and replaced in its centering dimple. This maintains the correct logo orientation on a speaker that is mounted vertically.



10. If you're placing the speaker on a shelf without using the bracket, attach the 2 plastic inserts to the speaker's top and bottom ends so they snap into place.
 - If you wish to mount the speaker on its bracket at a later time you can remove the inserts by pulling-down the tabs behind the grille.

Note: All Sonance Mariner speakers are compatible with Omnimount 20.5 Series speaker brackets. The 20.5 series includes several different mounts that accommodate a wide range of different mounting requirements. For more information contact your Sonance Authorized dealer or go to www.omnimount.com.

WIRE GAUGE

Extra resistance in the speaker wire can make a speaker sound less dynamic and reduce definition of the bass frequencies. In extreme cases, it can even attenuate high frequencies. Also, amplifier power is wasted in wire with extra resistance, reducing your system's maximum output level.

To prevent degrading sound quality, the total wire resistance should be less than 10% of the speaker's impedance. This means that for an 8-ohm speaker, the total resistance of the wire should be less than 0.8 ohms.

Refer to the following table when selecting the proper wire gauge for your system:

Wire resistance in Ohms vs. length of cable run						
Distance in Feet	50'	100'	150'	200'	250'	300'
20 gauge	1.04	2.07	3.11	4.14	5.18	6.22
18 gauge	.65	1.30	1.96	2.61	3.26	3.91
16 gauge	.41	.82	1.22	1.63	2.04	2.45
14 gauge	.26	.52	.77	1.03	1.29	1.55
12 gauge	.16	.32	.49	.65	.81	.97
10 gauge	.10	.20	.31	.41	.51	.61

PAINTING THE SPEAKER AND GRILLE

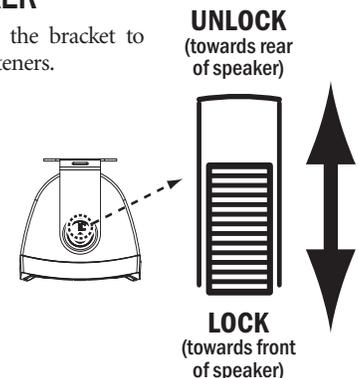
All Mariner speakers feature a tough polypropylene enclosure that can be painted. Sonance recommends using a weather-resistant outdoor paint and a spray gun to paint the Mariner speakers.

1. If it has already been installed, remove the grille from the speaker.
2. To protect the speaker driver units during painting, place the grille on a piece of cardboard and trace around its outline. Then cut the cardboard just inside of the trace line and fit this "paint plug" into the speaker's baffle. (Be careful not to damage the driver components while fitting the paint plug.)
3. Paint the speaker the desired color according to the paint manufacturer's instructions. Remove the paint plug after the paint has thoroughly dried.
4. Remove the Sonance logo before painting the grille. Paint the grille separately from the speaker using very thin paint (5:1 thinner:paint ratio). Avoid plugging the grille holes with excess paint.
5. After the paint has thoroughly dried, re-attach the Sonance logo to the grille and attach the grille to the speaker.

PIVOTING THE SPEAKER

You can rotate the speaker in the bracket to direct the sound towards the listeners.

1. Unlock the slide locks on the speaker pivots by moving them towards the rear of the speaker.
2. Rotate the speakers to the desired position.
3. Lock the slide locks by moving them towards the front of the speaker.



SPECIFICATIONS

Mariner 62SS

Tweeter: Two 1" (25mm) Polyurethane dome
 Woofer: 6½" (165mm) One-piece black Polypropylene cone with a rubber surround, dual voice coil
 Frequency Response: 55Hz – 20kHz ±3dB
 Impedance: 8 ohms nominal; 6 ohms minimum
 Power Handling: 5 watts minimum; 80 watts maximum
 Sensitivity: 89dB SPL (2.83V/1 meter)
 Grille Material: Perforated aluminum;
 Dimensions (H x W x D): 12" x 7½" x 7½" (305mm x 191mm x 181mm)
 Shipping Weight: 7 lbs (3.2 KG) per each

Mariner 52SS

Tweeter: Two 1" (25mm) Polyurethane dome
 Woofer: 5¼" (133mm) One-piece black Polypropylene cone with a rubber surround, dual voice coil
 Frequency Response: 65Hz – 20kHz ±3dB
 Impedance: 8 ohms nominal; 6 ohms minimum
 Power Handling: 5 watts minimum; 70 watts maximum
 Sensitivity: 88dB SPL (2.83V/1 meter)
 Grille Material: Perforated aluminum
 Dimensions (H x W x D): 10¼" x 6½" x 6" (260mm x 165mm x 153mm)
 Shipping Weight: 6 lbs (2.75 KG) per each

LIMITED FIVE (5) YEAR 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 period stated below. Sonance will at its option and expense during the warranty period, 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: Landscape Series Mariner Speakers

Warranty Period for this Product: Five (5) years from the date on the original sales receipt or invoice or other satisfactory proof of purchase.

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), 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 (800) 582-0772 within the warranty period, 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.



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