

AIR_LS4T/AIR_LS6T Air® 4" or 6" Landscape Speakers

DO Prepare the Site

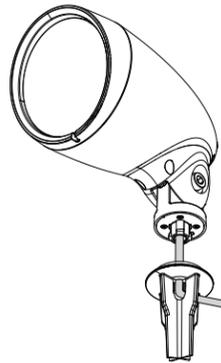
When choosing the mounting position of the AIR_LS4T or AIR_LS6T speakers from Crestron®, consider how protected the speakers will be from their environment, sound coverage, and proximity to the listeners. The AIR® speakers can be installed at ground level using the supplied stakes or mounted to a wall or similar structure using the supplied wall mount fixtures. In either case, the installation must comply with all applicable National Electrical Code® guidelines and with the local jurisdictional authority.

- For ground level installation, choose a location that will not flood with standing water and where the speaker will not be affected by an in-ground sprinkler system.
- For surface mount installation, the speaker may be mounted on a variety of surfaces such as masonry walls, wood arbors, building steel, or drywall. Mounting hardware such as toggle bolts, concrete anchors, or wood screws may be used. The supplied mounting fixture includes 1.5" (38 mm) drywall screws for dry area use. The supply of lag bolts, toggles, and wet area stainless hardware is the responsibility of the installer.

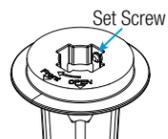
DO Install the Speakers

In-Ground Installation

1. For ground level installation, insert the stakes to a depth of approximately 12" (305 mm) with the FRONT marking on the top of the stake positioned toward the listener.
 - a. If the soil is firm, and the security plate will not be used, the stake may be pounded into position using a rubber mallet.
 - b. If the security plate will be used, a minimum 8" (203 mm) diameter hole with 12" (305 mm) depth must be provided to accommodate the security plate assembly. To assemble the stake and security plate, hold the stake with the pointed end away from you and insert it into the security plate.
 - c. Rotate the security plate clockwise to lock it into position.
 - d. Place the stake and plate assembly in the hole, back-fill the hole with appropriate material, and then firmly tamp the material.
2. Run the lead-in cable through the top of the stake as shown in the following figure.



3. Connect the speaker to the stake. The stake has a keyed top that is intended to lock the speaker to the stake. Gently rotate the speaker until you feel it engage with the keyed top. Continue to rotate the speaker. It gradually tightens until it reaches the stop.
4. Install and tighten the supplied Allen head set screw to secure the speaker to the stake.



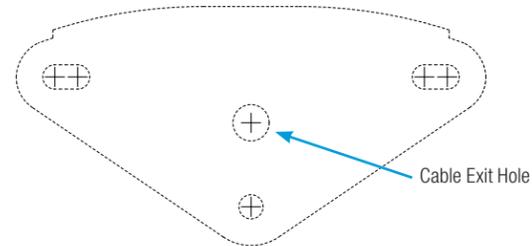
Above Ground Surface Mounting

The supplied mounting brackets are designed to permit the speaker lead-in cable to exit through the rear of the bracket and then through the mounting surface where it mates with the audio source cable, hidden from view. Some mounting surfaces (e.g., poured concrete) do not permit the cable to be run through them. In these situations, the mounting bracket cover must be modified to permit the cable to exit downward and run along the front of the mounting surface.

Note: The supplied template sheets contain two illustrations: one illustration indicates drill holes for attaching the mounting brackets and for routing the lead-in cable through the mounting surface; the other is for modifying the mounting bracket cover for a front cable exit hole. Use the appropriate illustration for your mounting needs.

Rear Cable Exit Hole Mounting

Cut out and use the supplied wall mount template (one per speaker) to drill pilot holes for the screws to attach the mounting brackets. Drill 1/2" (13 mm) exit holes for the speaker cables.



Front Cable Exit Hole Mounting

Perform the following process for each speaker.

1. Use the cover modification template to drill a 3/4" (19 mm) hole in the mounting bracket cover, which provides an exit for the cable. A clean, flat work surface is required for this operation.
 - a. Cut out the supplied template (one for each speaker).
 - b. Center the template on the inside of the cover as shown and then attach it to the cover with tape.



- c. Clamp the cover (wings up) to the drilling surface so the part does not shift.

CAUTION: For all drilling operations, use twist drill bits only. The use of wood boring auger or paddle bits, Forstner, or masonry bits will crack the cover.

DO Check the Box

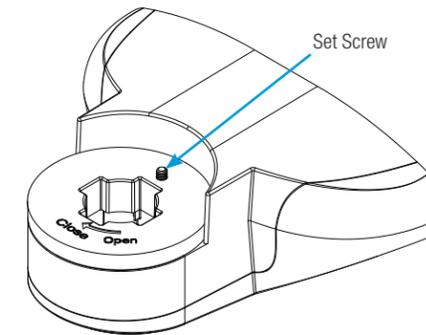
QUANTITY	PRODUCT
1	M6 Hex Key
1	M2.5 Hex Key
2	Allen Head Set Screws
2	Wall Mount Cover
2	Wall Mount Bracket
4	Silicone-Filled Wire Nuts
2	Rubber Grommets
2	Stakes
2	Stake Plates
6	Screws
2	Adjustment Bolt Trim Plug
2	Template

- d. Drill a 1/8" (3 mm) pilot hole at the cross hair's center.

- e. Replace the 1/8" (3 mm) twist bit with a 3/4" (19 mm) twist bit and then drill the final hole.

- f. Clean off any burrs after drilling. The grommet to be installed will cover the hole's edge.

2. Insert the speaker into the installed mount. The speaker mount has a keyed base that is intended to lock the speaker into the mounting bracket. First, run the cable through the mounting bracket's exit hole. Then, mate the speaker with the mounting bracket and gently rotate it until you feel it engage the bracket. Continue to rotate the speaker. It will gradually tighten until it reaches the stop.
3. Tighten the Allen head set screw on the underside of the mounting bracket to secure the speaker to the mounting bracket. Note that there is a triangular impression in the metal plate to identify the recessed set screw.



4. Adjust the speaker (left to right) to the desired position and use the small Allen wrench to tighten the five azimuth Allen bolts under the speaker mounting bracket.



NOTE: If the cover has to be removed, there is a pry slot (on the cover) for a flat blade screwdriver.



DO Secure the Speakers

Once the speakers are aimed properly (for azimuth and elevation), perform the following to secure each of their positions.

1. Use the large Allen wrench to tighten the elevation adjustment bolt on the side of the speaker.



2. Place the small trim cover over the elevation bolt. Note that the recess has a keyway that mates with the trim plug. Ensure that the plug is aligned and is seated properly.



3. If the speaker cable exits through the mounting bracket cover, gently ease the cover onto the mounting bracket. No tools are required to install the cover on the mounting bracket.

- a. Take one of the supplied grommets and use a sharp tool to pierce the soft center.
- b. With the cover in place, insert the cable through the grommet.

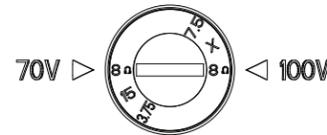
- c. Work the grommet up the cable toward the speaker so that the grommet collar inserts and locks into the cover hole. Finger pressure on the grommet will cause it to fully seat.



DO Make Connections to the Speakers

CAUTION: Do not connect the audio source to ac power until the speaker connections are completed.

Use the supplied waterproof wire nuts to connect the speaker wires to the audio source cable (red to +, black to -). Use the switch on the rear of the speaker housing to set the desired impedance level.



DO Learn More

Visit the website for additional information and the latest firmware updates.

Crestron Electronics

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AIR_LS4T



AIR_LS6T



CE As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

(1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

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This document was written by the Technical Publications department at Crestron.

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The product warranty can be found at www.crestron.com/warranty.