

## Ultimate 3 in. All Weather In-Ceiling Kit (Woofers and Tweeter)

The [ULTIMATE IC3-SA-WOOFER/TWEETER-W-T-KIT](#) includes the necessary components for a complete installation of the ULTIMATE IC3-AW 2-way, new construction, all weather in-ceiling speaker. Crestron® Ultimate in-ceiling speakers made by Origin Acoustics® deliver the pinnacle of performance for demanding residential installations.



## Installation

The ULTIMATE IC3-SA-WOOFER/TWEETER-KIT is designed to be mounted in between the joists of a new construction ceiling space before the ceiling material is installed.

## Connect the Speaker

The speaker cable connection from the amplifier to the speaker must be made prior to mounting. To connect the speaker:

1. Run the speaker cable (not included) from the amplifier to the speaker location, observing all appropriate local codes. Strip the ends of the speaker cable approximately 0.25 in. to 0.50 in. (~6 mm to ~12 mm) and twist the strands.
2. Remove the included 2-pin terminal block from the woofer box. Insert the positive lead of the speaker cable into the + terminal of the terminal block, and insert the negative lead of the speaker cable into the - terminal. Screw both terminal clamps into place using a flat head screwdriver.
3. Insert the terminal block back into the woofer box.



## In the Box

- 1 ULTIMATE IC3-AW-SA-BOX-WOOFER-W-T-EACH woofer box
- 1 ULTIMATE IC3-AW-SA-TWEETER-EACH tweeter module

### Additional Items

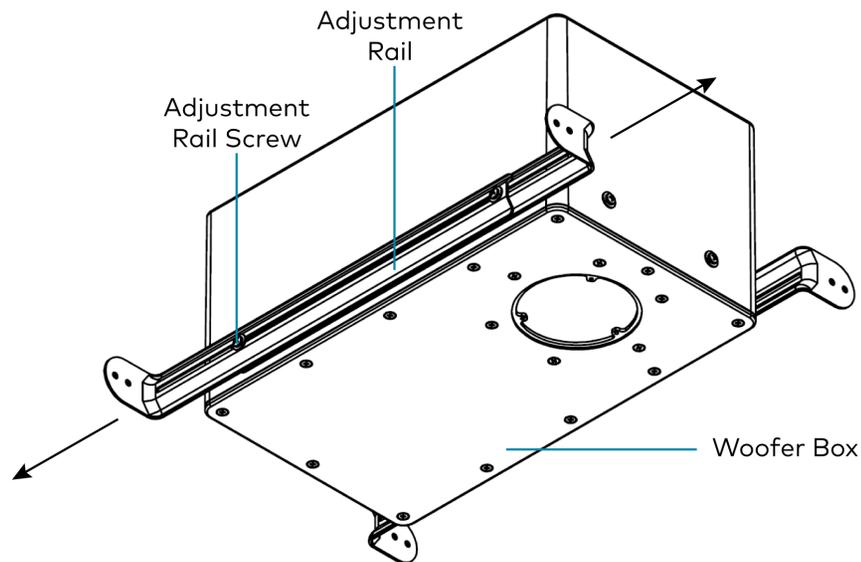
- 4 Spacers
- 3 Square grille trim rings
- 3 Round grille trim rings
- 1 Square grille
- 1 Round grille

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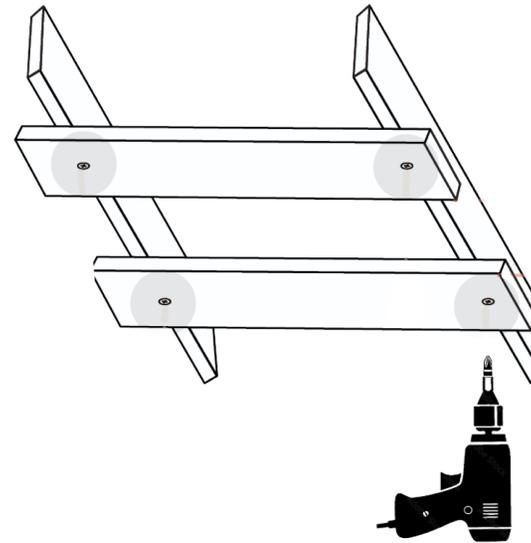
### Mount the Woofer Box

The woofer box features two adjustable rails for mounting the box directly to the ceiling joists. To mount the woofer box to the ceiling joists:

1. Loosen the screws on the support rails and adjust the rails to the appropriate length. If the woofer box needs to be mounted sideways, remove the rails from the longer sides of the box and reattach them to the shorter sides.

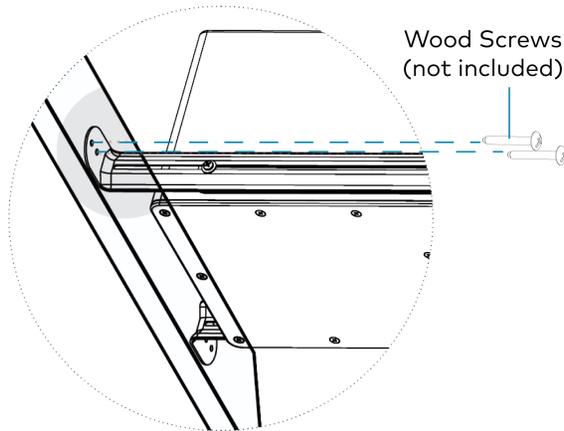


2. Using either the [SPKA-IC3-SA-MNT-TOOL](#) mounting bracket tool (sold separately) or spare two-by-four, create a temporary platform to hold the woofer box in place. Using a platform attached directly to the ceiling joists will ensure that the woofer box baffle is flush to the edges of the ceiling joists. If the woofer box is not flush with the joists, the ceiling material may not properly secure to the joists during installation, or it may bow outward.

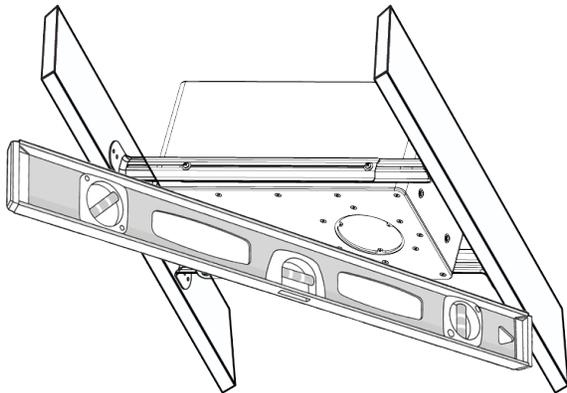


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- Rest the woofer box on the platform. Adjust the support rail on each side of the woofer box to meet the ceiling joists, then screw the ends of each rail into place. Tighten the adjustment screws on each rail that were loosened in step 1.



- Remove the temporary platform from step 2. Use a level or other straightedge to confirm that the woofer box is flush to the ceiling joists. If it is not, adjust the placement of the rails until the box is flush with the joists.



- The woofer box features two hole plugs, one round and one square. These plugs seal the opening in the box to prevent dust and debris from getting inside, and will later be removed when the tweeter module is ready for installation. Out of the box, both plugs are already in place over the woofer box hole. If only the round plug is needed, remove the square plug from the box by unscrewing the center screw of the plug.

## Finish the Ceiling Surface

The kit includes several spacer rings to match the depth of the ceiling surface, as well as multiple trim ring options to facilitate the desired grille appearance. To match the speaker grille opening to the ceiling surface:

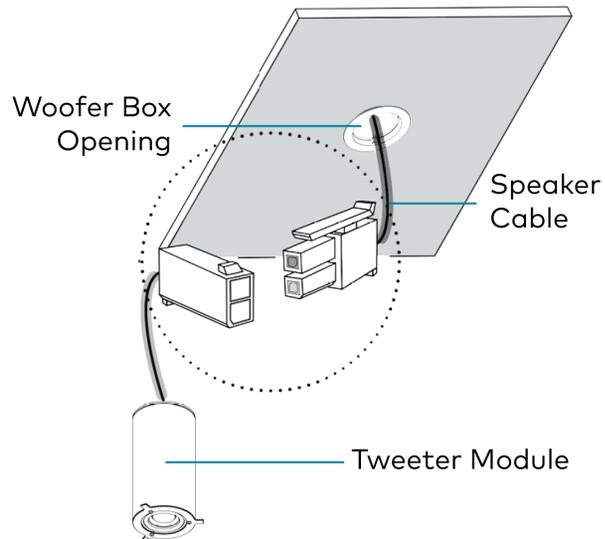
- Remove the plug from the woofer box opening. Hold onto the three long screws that are removed with the round plug, as these are used to secure the spacers in place.
- Select the combination of included spacers that matches the ceiling depth, then select the desired grille trim ring. Refer to [OLH article ID 2864](#) for details on selecting the right trim ring for the installation. To attach the square trim rings, the flush round trim ring will also be needed.
- Align all of the spacer tabs with the trim ring tabs, as well as the woofer box tabs, then screw the assembly into place using the three long screws removed during step 1.
- If either of the flush mount trim rings was installed, apply joint compound to the ceiling surface beginning 3 to 6 in. (76 to 102 mm) from the ring's edge, then feather outward 8 to 10 in. (203 to 254 mm) to achieve a smooth, flat transition.

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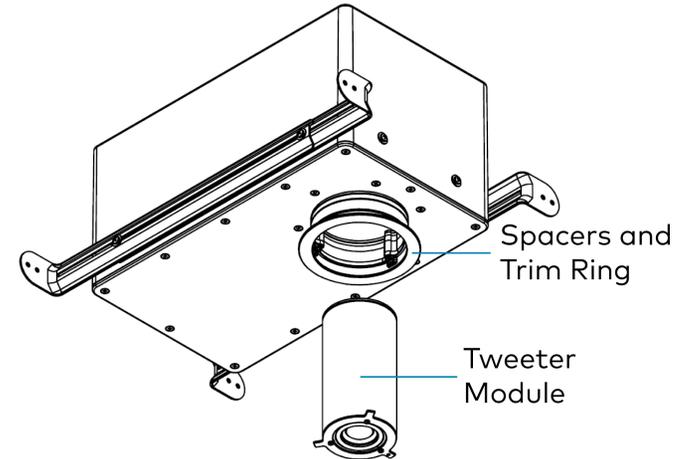
### Install the Tweeter Module

Install the tweeter module after the ceiling material is installed, and the included ceiling spacers and trim ring are secured in place. To install the tweeter module:

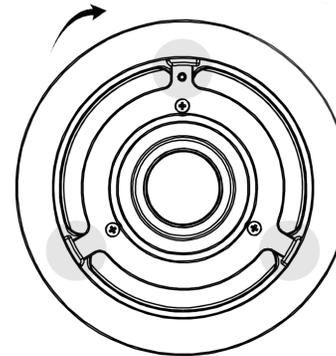
1. Plug the speaker cable from inside the woofer box opening into the cable connector on the top of the tweeter module.



2. Fit the tweeter module through the trim ring and spacers into the woofer box opening.



3. Rotate the tweeter module so its tabs slot into the trim ring tabs. Tighten the set screw located in one of the tabs on the trim ring using the included hex key.



4. Install the desired grille into the trim ring.

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### Visit the Product Page

Scan the QR code to visit the product page.

#### ULTIMATE IC3-SA-WOOFER/TWEETER-W-T-KIT



[www.crestron.com/model/6512670](http://www.crestron.com/model/6512670)

#### ULTIMATE IC3-AW-SA-BOX-WOOFER-W-T-EACH



[www.crestron.com/model/6512666](http://www.crestron.com/model/6512666)

#### ULTIMATE IC3-AW-SA-TWEETER-EACH



[www.crestron.com/model/6512667](http://www.crestron.com/model/6512667)

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