

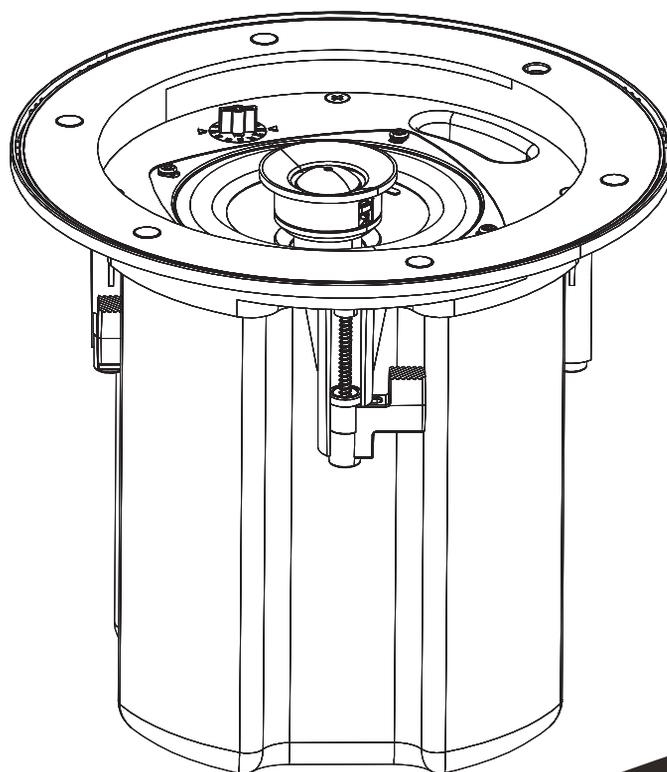
 episode

INSTALLATION MANUAL

ECS-800-IC-4

ECS-800-IC-6

ECS-800-ICSUB-8



REAL. LIFE. SOUND.

WELCOME TO EPISODE

Thank you for purchasing a great product from Episode®, one of the best sounding speaker lines available today. We appreciate your purchase and are committed to providing the highest quality products possible.

The ECS-800-IC series speaker line is a superb choice for 70V/100V music distributed-line systems and can even be set to bypass the transformer if you need an 8 ohm speaker in a pinch. They can be installed in either drywall or acoustic ceiling tile systems and feature UL approval for plenum-rated ceilings and spaces.

IMPORTANT CERTIFICATION INFORMATION

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. This product is for use indoors in a dry area only.
7. CLEAN ONLY with dry cloth.
8. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
9. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10. ONLY USE attachments/accessories specified by the manufacturer.

PACKAGE CONTENTS

- (1) ECS-800-IC Speaker
- (1) Cut-out template
- (1) Tile template
- (1) Installation stage
- (1) Grille
- (2) Bracket arms
- (1) Bracket plate
- (2) Bracket screws

TOOLS REQUIRED

- #2 Phillips Screwdriver
- Small Flathead Screwdriver
- Sheetrock Saw
- Wire Strippers

IMPORTANT INSTRUCTIONS AND CONSIDERATIONS FOR INSTALLATION

The installation methods should be in accordance with the applicable section of the National Electrical Code, ANSI/NFPA 70, and/or the National Fire Alarm Code, ANSI/NFPA 72, as applicable. The wiring method and compartment should not interfere with the operation of the speaker. The grille may be painted with great care taken not to clog the fine holes with paint. Only paint grilles when they have been removed from the speakers.

SPEAKER WIRING

Overview

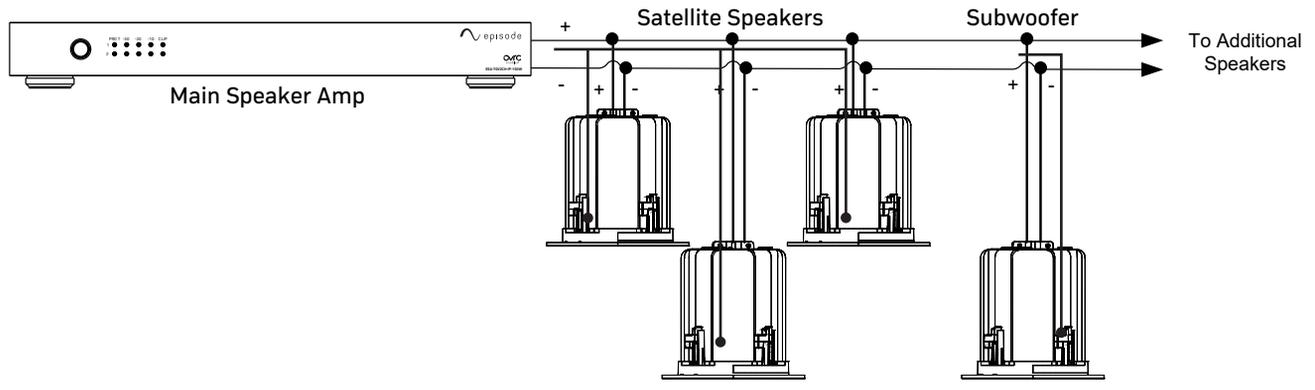
In a 70V or 100V system, a speaker wire is run from the amplifier location to the first speaker location. A "loop out" is run from the first speaker to the second speaker, the second speaker to the third speaker, etc. If installing with a standard receiver/amplifier (not 70V or 100V system), a separate speaker wire must be run from the amplifier to each speaker location.

RECOMMENDED WIRING

- 70V/100V applications: 12-18 AWG, stranded, 2 conductor cable.
- 8 ohm (Low Impedance) applications: 12 or 18 AWG, stranded, 2 conductor cable.

Best Practices

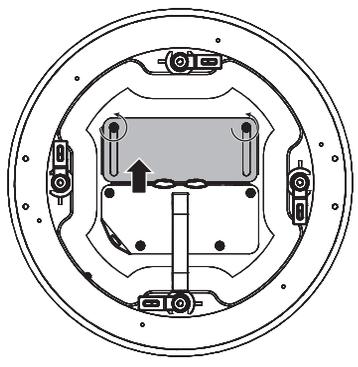
- In most cases, it is easiest to install a speaker system by pre-wiring and then installing the speakers.
- Plan the locations of the speaker holes, volume control boxes, and the amplifier and be sure wiring can be routed everywhere necessary before cutting any holes.



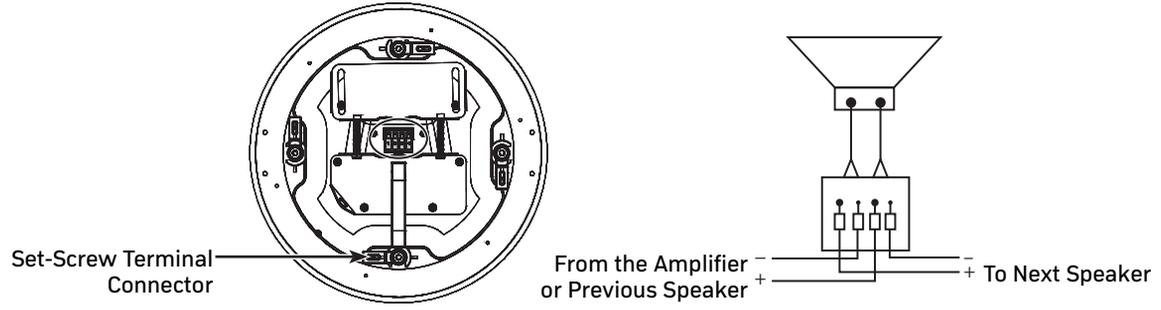
- Install spare wires for redundancy when you must run wire through a location that will not be accessible later.
- When you aren't enclosing speaker wire fully in conduit, make sure to leave enough of a wire loop for the speaker wiring to allow you to connect the terminal to the speaker either on the ground, or at the top of the ladder. A short wire loop makes attaching the speaker wires more difficult to work with at the top of the ceiling grid.

Wiring Connections

1. Loosen the slide screws on the clamping plate, and slide the plate up.



2. Remove the set-screw terminal connector and make wiring connections as shown.



3. Strip the insulation on each conductor back 1/4" and use the small flathead screwdriver to secure each wire into the connector.

NOTE: Make sure no loose strands meet between the + and - connection and that the polarity is correct. There are 2 + and - connections on the terminal for ease of attaching a loop out wire to additional speakers. You may connect to either the inner or the outer connection, but we recommend keeping the wiring consistent among all of your speakers. For example, use the inner connection for your speaker connection and use the outer connection for your loop out to the next speaker.

4. Replace the screw terminal, slide the clamping plate on the back of the speaker closed to cinch the wires, then tighten the slide screws to secure.

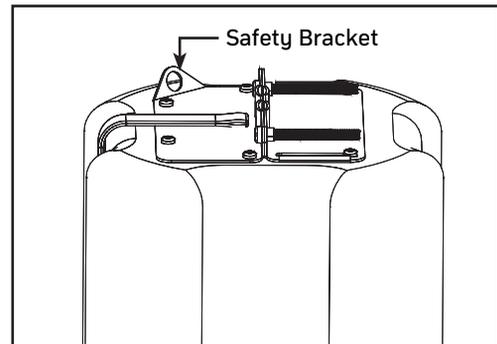
NOTE: If using conduit, feed the speaker wire through the conduit before connecting to the screw terminal connector. Clamp the conduit in the plate and tighten the screws to secure the plate in place.

SPEAKER INSTALLATION

General Guidelines

- Keep speakers about 2 feet away from corners and other surfaces that might interfere with or reflect sound, such as tall furniture.
- For rooms less than 300 square feet, two speakers should suffice. The further apart they are, the better the sound will be. However, keep the distance at a maximum of 8-10 feet to avoid a “hole” in the middle.
- For rooms larger than 300 square feet, use 3 or more speakers. Stagger them across the space for ideal sound dispersion.
- The carry loop on the speaker is useful for carrying the speaker between install locations or hanging the speaker on a ladder while working overhead.

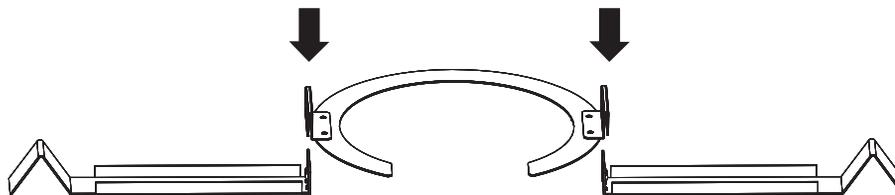
NOTE: The carry loop should NOT be used to secure the speaker in the ceiling. Use the bracket on the top of the speaker for this purpose.



Acoustic Ceilings

See “Wiring Connections” for instructions on wiring before installing the speaker. The removable connector on the rear makes it easy to wire the connections ahead of time and attach the wiring to the speaker at the end of the installation.

1. Assemble the bracket. Slide the wings onto the plate as shown in the illustration below and secure with the bracket screws if necessary.



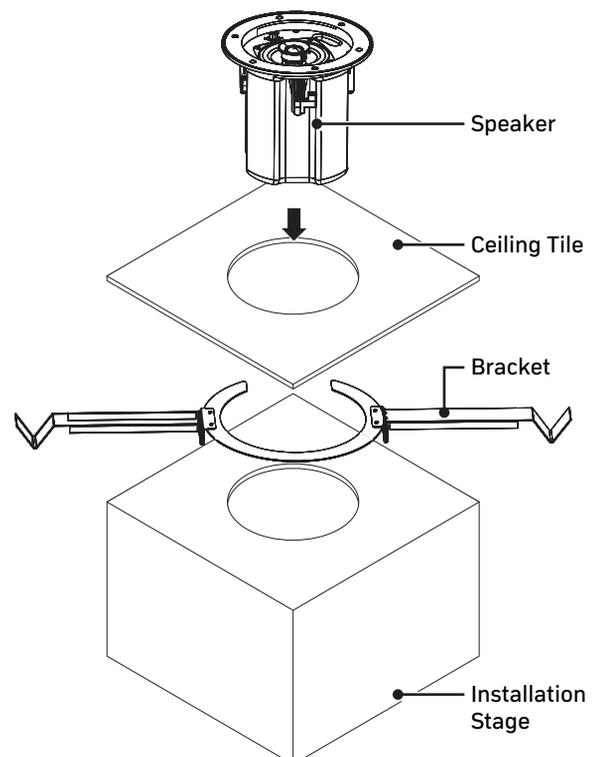
Note: The bracket is designed such that it does not require the screws for normal use. The screws are intended for use when the bracket’s rigidity is a concern or when the placement of the bracket causes the rigidity to become a concern.

2. Plan your speaker locations. Make sure there are no obstacles in the ceiling space above the tiles where you plan to install any speakers.
3. Using the supplied centering and cut out templates centered on the tile, mark the tile on the cosmetic side where you plan to cut.

Tip: Place the tile on top of a trash can or empty box to help catch any debris from cutting in the hole.

4. Using your sheet rock saw, carefully cut the opening. Be sure to saw into the cosmetic side of the tile to avoid chips of the tile from showing around the bezel after the install. Test fit the speaker.
5. Place the bracket tile over the installation stage, then place the cut ceiling tile face-up on top of that.
6. Insert the speaker into the opening. Tighten the four dog screws using a #2 Phillips Screwdriver.

Note: Make sure the tile bridge stays centered and that

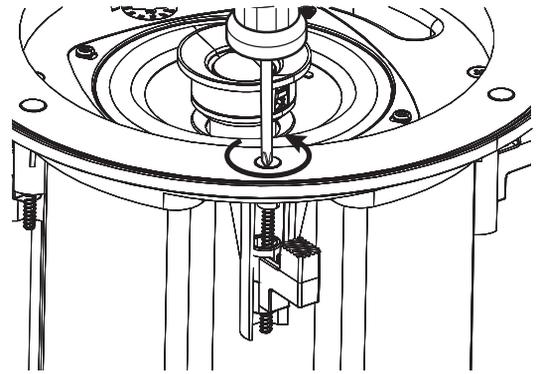


the mounting dogs clamp onto the ring. Be careful, over-tightening the screw can damage the ceiling tile and/or the speaker.

7. Set the speaker tap switch on the front of the speaker to the appropriate setting.

Tip: If you aren't sure of the tap settings needed for the speaker, leave the grille off so that settings can easily be adjusted using the rotary knob.

8. Maneuver the speaker, bracket, and tile to the ceiling grid, and attach the screw terminal connector.
9. Attach a security tie wire to the eyelet on top of the speaker and attach the other end to the ceiling support system per your local building code.
10. Slide the whole assembly into the ceiling, and place the grille on the front of the speaker.

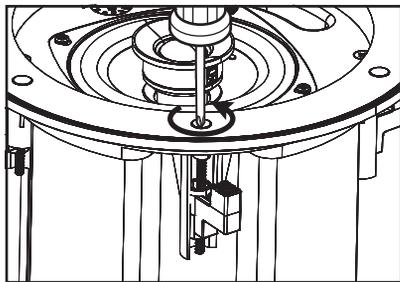


Note: The 8 subwoofer has a grille retention wire for rare cases when air pressure generated from bass can cause the grille to detach. Push the plug on the end of the wire into the hole in front of the subwoofer, then attach the grille.

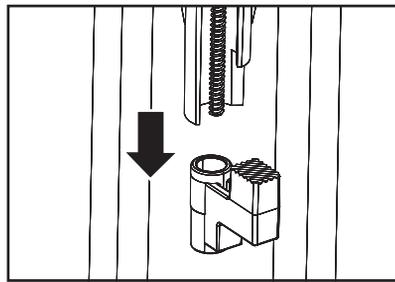
ADJUSTING THE DOGS

Follow the steps below to adjust the dogs to accommodate thicker tiles.

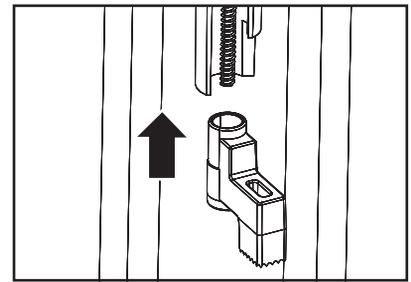
1. Back the dogs all the way out of the slot and remove it.
2. Flip the dog over and screw it back into the slot.
3. Tighten over the tile as needed once installed around the tile.



1



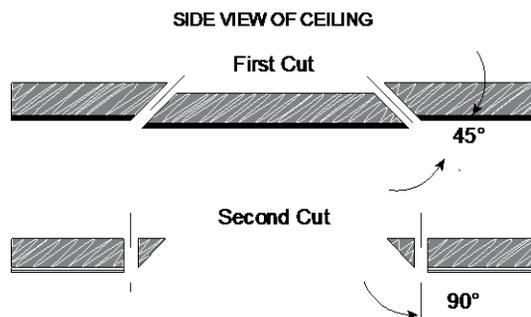
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3

PERMANENT CEILINGS

1. Choose a location for each speaker that is free of obstructions created by joists, HVAC ductwork, electrical wire runs, plumbing or anything else that might not allow for the depth of the speaker or create interference or noise.
2. Once you have determined your locations, mark the hole to cut out for the speaker using the supplied template. Don't forget to allow for the size of the speaker bezel if you are choosing to install the speaker near a side wall or other item that could become an obstacle.
3. If you are unsure of potential obstacles, carefully cut your holes using an angle to the inside of the cutout area as illustrated. This will allow you to 'plug' the hole easily if needed. If the area is clear and a good location for the speaker, cut the edges of the opening at 90 degrees to accommodate the speaker diameter.



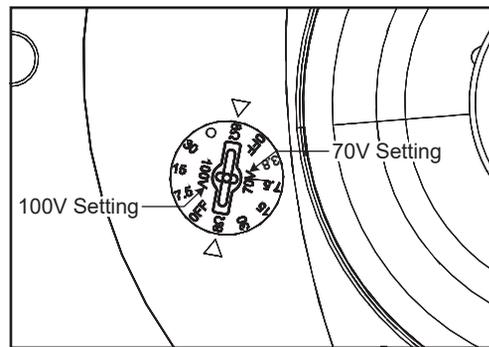
4. Make up the speaker wiring connection before installing the speaker. See "Wiring Connections" for instructions.

5. Insert the speaker into the opening from below. Tighten the dogs on the speaker, making sure they clamp on the sheet rock. Be careful- over tightening the clamps can cause the speaker bezel to warp and may crack the ceiling.

TAP SETTING

After the speaker is installed, set the transformer to the correct setting.

WARNING! Do not set the speaker for 8 ohm operation if using 70V or 100V amplifier. This could cause permanent damage to the speaker or amplifier.



SPECIFICATIONS

ECS-800-IC-4	
Woofers:	4" Polypropylene
Tweeter:	¾" Silk Dome
Power Handling:	30 Watts RMS (@ 8 Ω)
Nominal Impedance:	8 Ohms
Tap Settings:	- 70V: 3.8w, 7.5w, 15w, 30w - 100V: 7.5w, 15w, 30w - 8 Ω Bypass
Frequency Response (-6dB):	70Hz - 20kHz
Sensitivity -2.83 V / 1 Meter:	84 dB
Weight:	6.1 lbs. each
Crossover Frequency:	3.3kHz
Grille Type:	Perforated Steel Grille
Cutout Dimensions:	6.8" Diameter

ECS-800-IC-6	
Woofers:	6½" Polypropylene
Tweeter:	1" Silk Dome
Power Handling:	65 Watts RMS (@ 8 Ω)
Nominal Impedance:	8 Ohms
Tap Settings:	- 70V: 7.5w, 15w, 30w, 60w - 100V: 15w, 30w, 60w - 8 Ω Bypass
Frequency Response (-6dB):	70Hz - 19kHz
Sensitivity -2.83 V / 1 Meter:	87 dB
Crossover Frequency:	2.8 kHz
Weight:	8 lbs. each
Grille Type:	Perforated Steel Grille
Cutout Dimensions:	8.8" Diameter

ECS-800-ICSUB-8	
Woofers:	8" Polypropylene
Power Handling:	100 Watts RMS (@ 8 Ω)
Nominal Impedance:	8 Ohms
Tap Settings:	- 70V: 10w, 20w, 40w, 80w - 100V: 20w, 40w, 80w - 8 Ω Bypass
Frequency Response (-6dB):	30Hz - 150Hz
Sensitivity -2.83 V / 1 Meter:	86 dB
Weight:	15.32 lbs. each
Grille Type:	Perforated Steele Grille
Cutout Dimensions:	11.4" Diameter

TROUBLESHOOTING

Episode® speakers are designed to function trouble-free. Most problems that occur are due to simple issues. If you have trouble, please check the list of simple fixes below. If the problem persists, contact Customer Service at 1.866.838.5052.

No Sound

- Verify that there is audio coming from the source selected. Select another source if necessary.
- Ensure that the audio source is turned on and connected properly.

WARRANTY

Limited Lifetime Warranty

Episode Pendant Speakers have a Lifetime Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).

CONTACTING TECHNICAL SUPPORT

(866) 838-5052
 techsupport@snapav.com
 snapav.com

