



# ECS

## Edgeless High Fidelity In-Ceiling Speaker Series



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## Installation Manual

[www.earthquakesound.com](http://www.earthquakesound.com)

Thank you for purchasing the ECS, Edgeless Series of In-Ceiling Speakers; one of Earthquake Sound's most valued in-wall speaker lines. Designed with aesthetics and sound quality in mind, the ECS seamlessly blends into its surrounding as it provides a lifetime of durability and high-end performance.

It is very important to read and follow all installation/mounting instructions and recommendations in this manual thoroughly to ensure optimal performance and longevity.

### The ECS Features

- » Frameless design for reduced visibility/low profile/seamless blend
- » Long excursion kevlar woofer cones
- » 1" (25mm) silk dome NEO swiveling tweeters
- »  $\pm$  3dB bass and treble controls
- » Elaborate crossover networks
- » Easy Turn-N-Lock™ installation mechanism
- » Gold plated, spring loaded terminals
- » Magnetically attached, paintable grilles



**WARNING:** These products are capable of generating high sound pressure levels. You should exercise caution when operating these speakers. Long term exposures to high levels of sound pressure will cause permanent damage to your hearing. Sound pressure levels exceeding 85dB can be dangerous with constant exposure, set your audio system to a comfortable loudness level. Earthquake Sound Corporation does not assume liability for damages resulting from the direct use of Earthquake speakers, and urges users to play volume at moderate levels.

### Grille Painting Guidelines

The ECS Edgeless In-Wall Speaker grilles are paintable and can accept virtually any type of paint. We strongly recommend the following:

1. Remove the grilles from the speakers prior to painting them.
2. Thin the paint prior to application, if needed. Spray and roller paint applications typically provide the best results. Note that you may need to apply **multiple thin layers** of paint to achieve the desired shade without losing sound quality due to clogging of the grilles.
3. Let the painted grilles fully dry before mounting them back on the speakers.

### Speaker Placement

The ECS Edgeless In-Wall Speakers are designed to be flush mounted in walls or ceilings. For optimal acoustical performance, simply follow these guidelines:

1. Place speakers at an equal distance (left/right) from listener.
2. Speakers must be spaced at a 40 - 60° angle from listener (Figure 1).
3. Aim tweeter towards the listener's ear when in listening position.

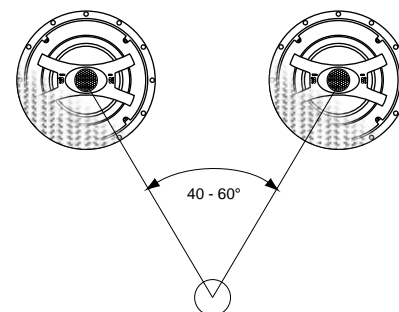
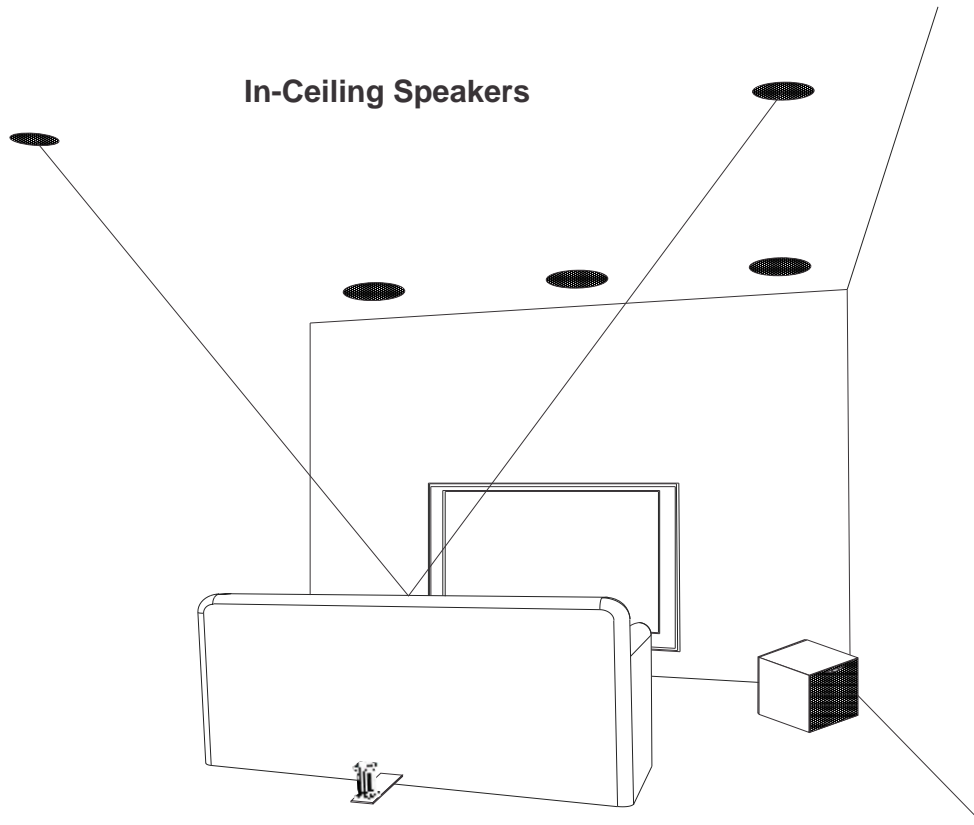


Figure 1



**1** Cut the hole:  
using the provided  
cut out template



**2** Wire the speaker:  
using the non-obtrusive  
spring-loaded speaker  
terminals



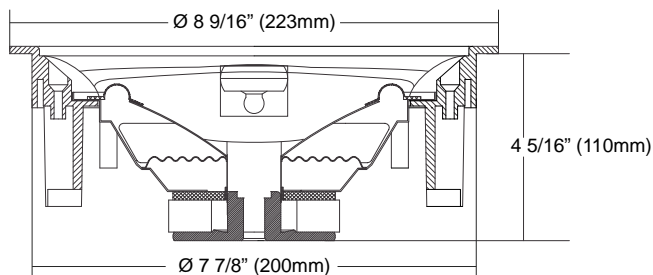
**3** Mount the speaker:  
by utilizing the  
Turn-N-Lock™  
installation mechanisms



Simply tighten the screws by hand **using a screwdriver** to prevent the mounting ears from snapping. Some resistance may occur the first few turns of the screw as it makes its path through the plastic.

**ECS6.5 SPECIFICATIONS**

Frequency Response:	40Hz - 20kHz
Sensitivity:	87dB @ 1W/1M
Nominal Impedance:	8-Ohm
Power Handling:	300 Watts Max
Enclosure Material / Type:	Impact resist ABS Plastic
Driver Components:	Two-way system using: one 6.5" low mass stiff kevlar cone midbass and one 1" silk dome swiveling NEO tweeter
Outer Diameter:	8 9/16" (223mm)
Cut Out Diameter:	7 7/8" (200mm)
Mounting Depth:	4 5/16" (110mm)
Wire Gauge Recommended:	12
Weight Per Speaker:	3.9 lbs
Grille Finish:	White / Paintable

**ECS8.0 SPECIFICATIONS**

Frequency Response:	30Hz - 20kHz
Sensitivity:	88dB @ 1W/1M
Nominal Impedance:	8-Ohm
Power Handling:	400 Watts Max
Enclosure Material / Type:	Impact resist ABS plastic
Driver Components:	Two-way system using: one 8" low mass stiff kevlar cone midbass and one 1" silk dome swiveling NEO tweeter
Outer Diameter:	10 1/2" (267mm)
Cut Out Diameter:	9 1/2" (240mm)
Mounting Depth:	4 7/8" (124mm)
Wire Gauge Recommended:	12
Weight Per Speaker:	4.3 lbs
Grille Finish:	White / Paintable

