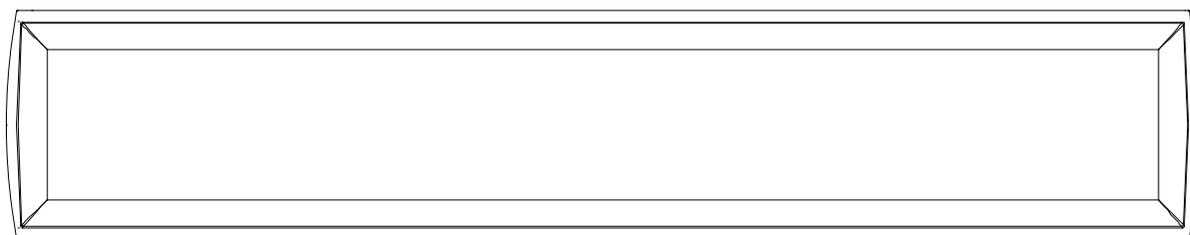
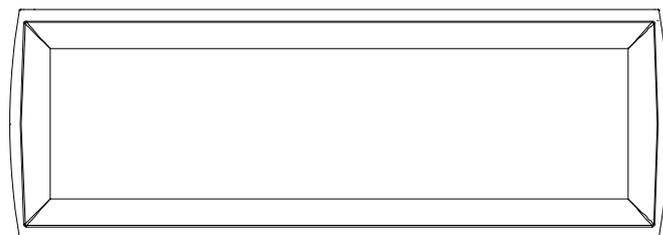


 episode

INSTALLATION MANUAL
ES-350-0WLCR-M
ES-350-0WLCR-L



REAL. LIFE. SOUND.

OVERVIEW

Welcome to Episode® Speakers. We appreciate your purchase and are committed to providing the highest-quality products possible.

The Episode® On-Wall models are a superb choice for almost every type of home theater or home audio installation. They have been designed with advanced technological components that allow for high performance and a lifetime of enjoyment.

IMPORTANT INSTRUCTIONS AND CONSIDERATIONS

Read and understand all instructions.

Before beginning installation, carefully plan location accounting for potential electrical, plumbing or other obstacles.

RECOMMENDED AMPLIFIER POWER

To get the best performance from the On-Wall speaker, an amplifier or receiver with the following power rating is recommended:

ES-350-OWLCR-M – between 20 and 100 Watts RMS per channel

ES-350-OWLCR-L – between 20 and 100 Watts RMS per channel

SPEAKER WIRE

To connect the On-Wall speaker to your amplifier, high-quality 14 to 16 gauge stranded speaker wire is recommended. The wire may be connected directly to the speaker's binding posts.

FEATURES

- Low-Profile, Extruded Aluminum Cabinet
- Knockout for hidden IR receiver ES-350-OWLCR-L
- Flexible Mounting Options
 - Cabinet Top or Shelf Placement
 - On Wall

What's Included

ES-350-OWLCR-L

- (1) ES-350-OWLCR-L
- (2) Kickstands for Cabinet placement
- (4) Rubber Feet
- (2) Rubber Bumpers
- (2) Bolts to Mount Kickstand
- (2) Flat Washers
- (2) Plastic Keyway Wall Mounting Brackets
- (1) IR Receiver Spacer
- (2) Shoulder bolts for Wall Mounting

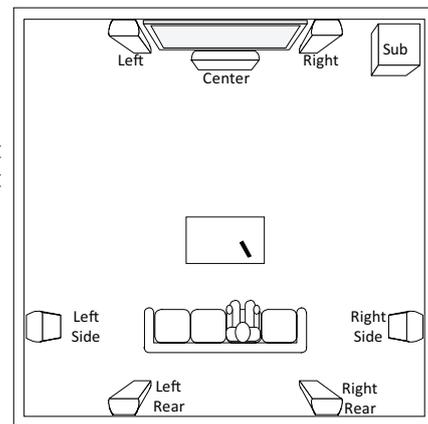
ES-350-OWLCR-M

- (1) ES-350-OWLCR-M
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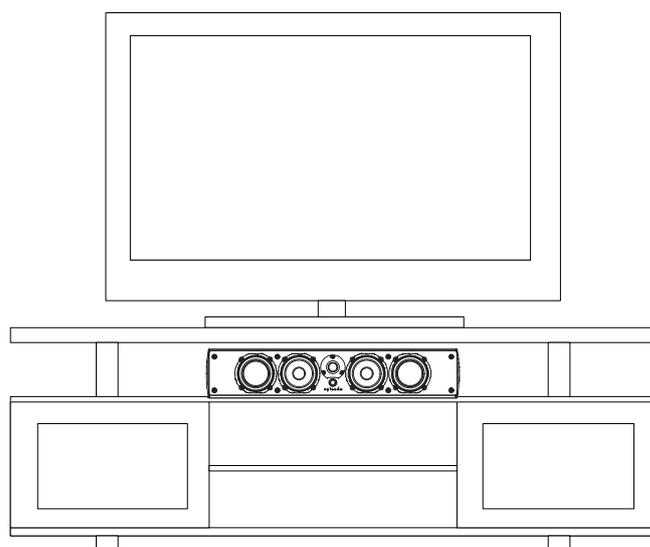
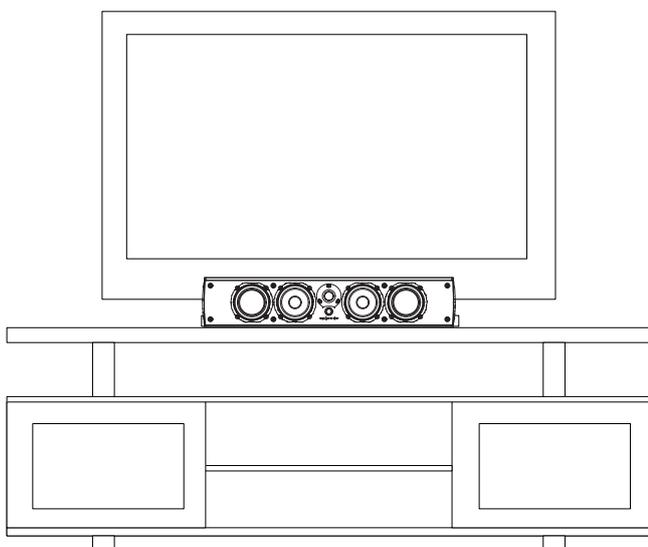
INSTALLATION

SPEAKER PLACEMENT

The ES series of on-wall speakers are designed to be the Left, Center, Right, and Surround speakers of a home theater surround system. For most applications, placement should be around a flat screen TV; either on a cabinet top or shelf. Other options for placement include On-Wall using the included brackets.



INSTALLING ON OR IN A CABINET



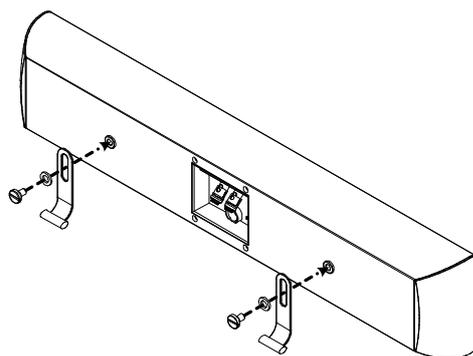
Considerations for Placement

When placing the on-wall speaker on a cabinet shelf, the front edge of the speaker should be flush with the front of the shelf. Placing the speaker further back on the shelf will degrade the sound quality of the speaker.

Attaching the Kickstand

The kickstand for the on-wall speaker allows for the angle of the on-wall speaker to be adjusted to maintain proper audio performance. When placing the on-wall speaker, adjust the kickstand height to angle the Soundbar towards the listener's ears. See **Adjusting the Kickstand** for more information.

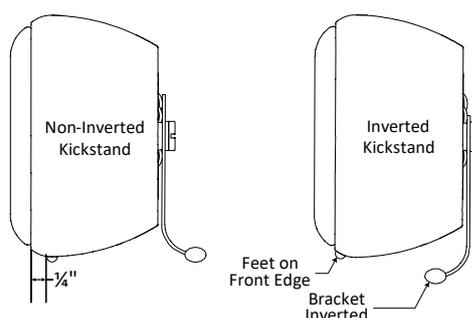
1. Place the included kickstand(s) on the rear of on-wall speaker as shown.
2. Using a shoulder bolt and washer for each kickstand, tighten to secure the kickstand to the on-wall speaker.



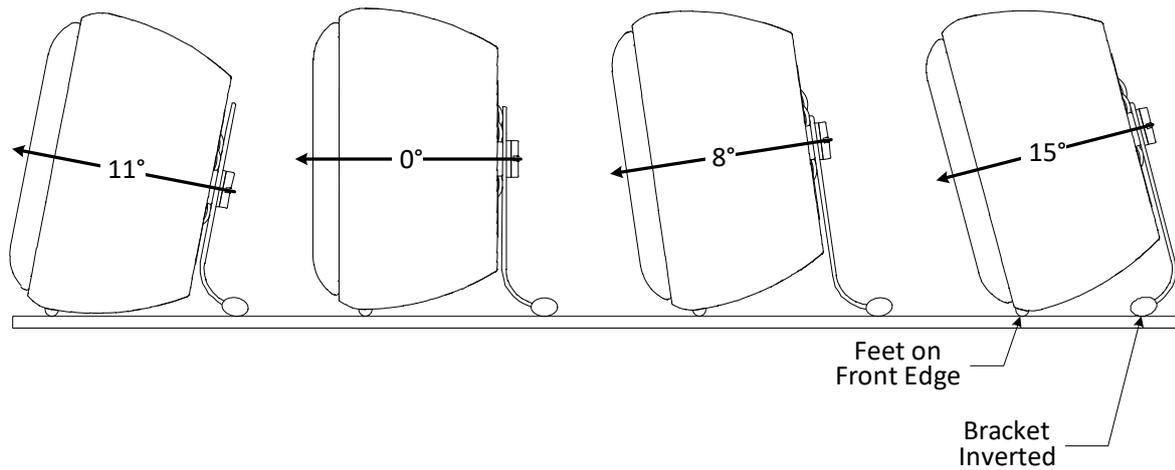
Attaching the Feet

To ensure that the on-wall speaker will not slip when using the kickstands, (2) rubber feet have been included. The feet must be installed when using the kickstand. Place the feet 3" from the left and right outer edge, and 1/4" from the front edge of the on-wall speaker.

Note: When using the kickstand in the inverted position, the feet should be placed at the front edge of the speaker.



Adjusting the Kickstand



After installing the kickstand and placing the on-wall speaker, adjust the angle of the speaker towards the listener's ears. If the speaker points away from the listener's ears, slide the kickstand up or down to achieve the proper angle. Note that the kickstand can be inverted when the on-wall speaker is pointing down.

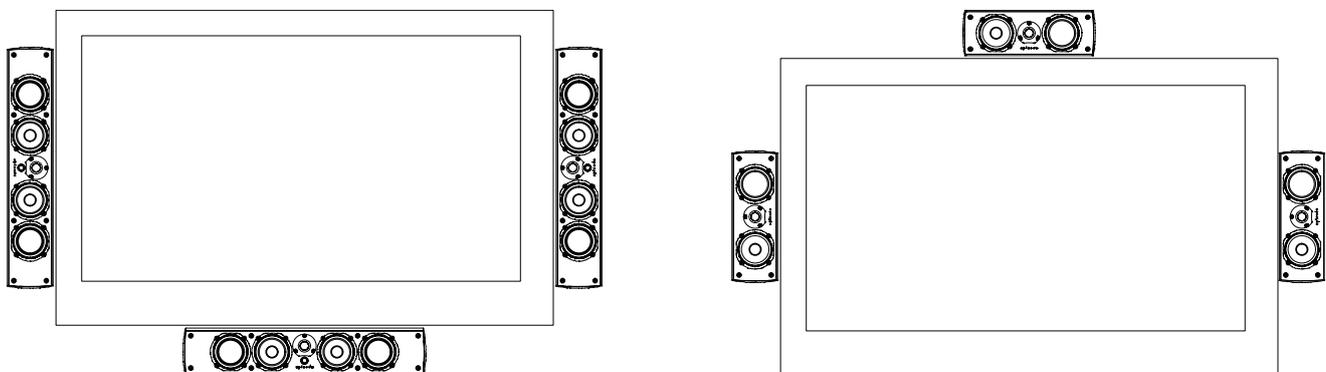
MOUNTING ON A WALL

Considerations for Wall Mounting

The ES-350-OWLCR-M contains an active mid-bass driver (Dished Cone) and a passive radiator (Flat Cone). When mounting vertically on a wall it is recommended that the active mid-bass driver is towards the floor. This orientation will ensure proper acoustic performance.

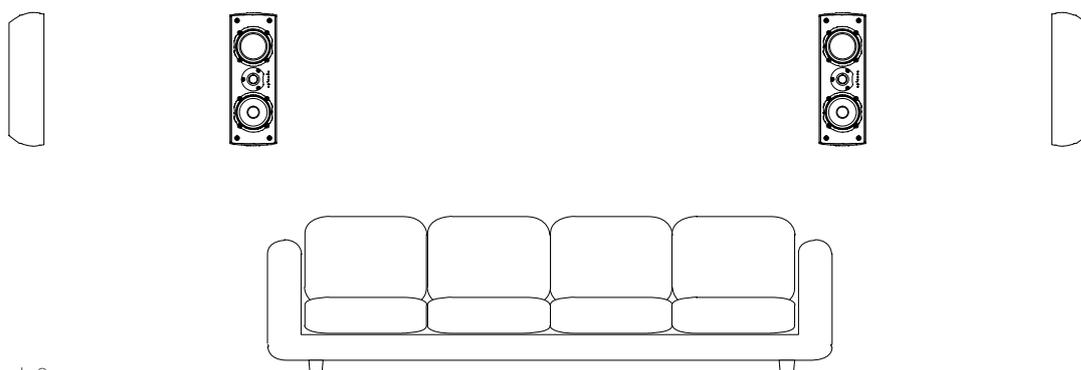
Front Speakers

Place the speaker as close to the TV as possible. To maintain a high level listening experience, the on-wall speakers should be as close to the TV as possible. Placing the on-wall speakers more than 3" from the screen will separate the audio from the video and provide a poor viewing and listening experience, keep this in mind when locating the on-wall speakers.



Rear Speakers

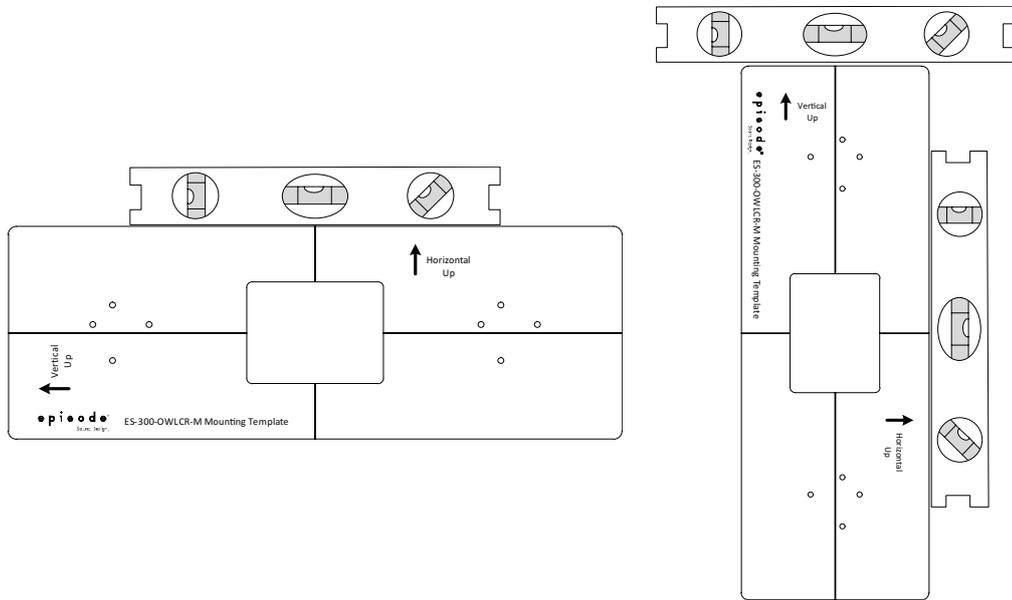
The ES-350-OWLCR can be used as rear speakers within a home theater. Placement can be behind the listening position spaced the same as the front speakers or on the side walls next to the listening position.



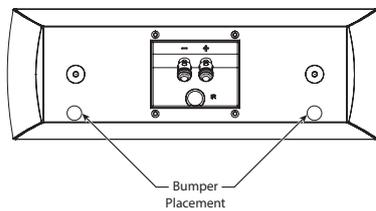
Attaching the Wall Bracket

A wall mounting template has been included; use this template for proper and accurate positioning of the OWLCR.

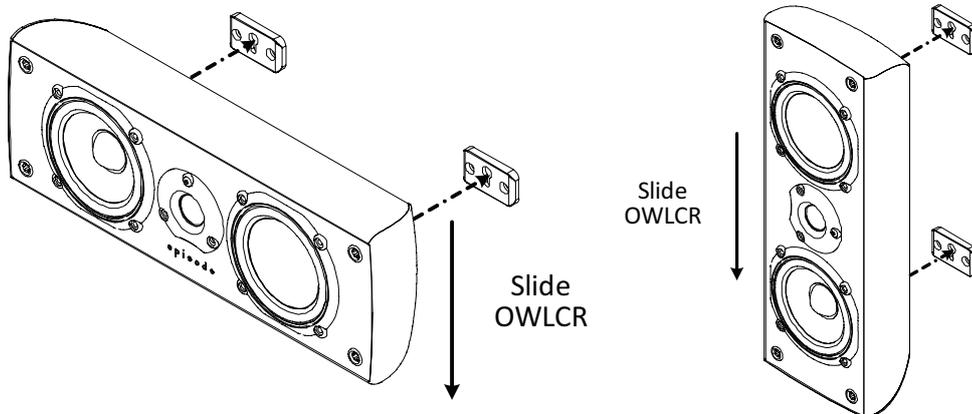
1. Locate wall studs using a stud finder (not included).
2. Position the provided template on the wall in the desired location of the speaker. If the location does not allow for this, use a wall molly or anchor with the appropriate weight rating for the on-wall speaker.
3. Level the template and mark the wall with the screw locations.



4. Secure the brackets to the wall.
5. If mounting the OWLCR in a horizontal orientation, place the provided rubber bumpers in line with the brackets at the bottom of the speakers. These are not needed when mounting in an vertical orientation.

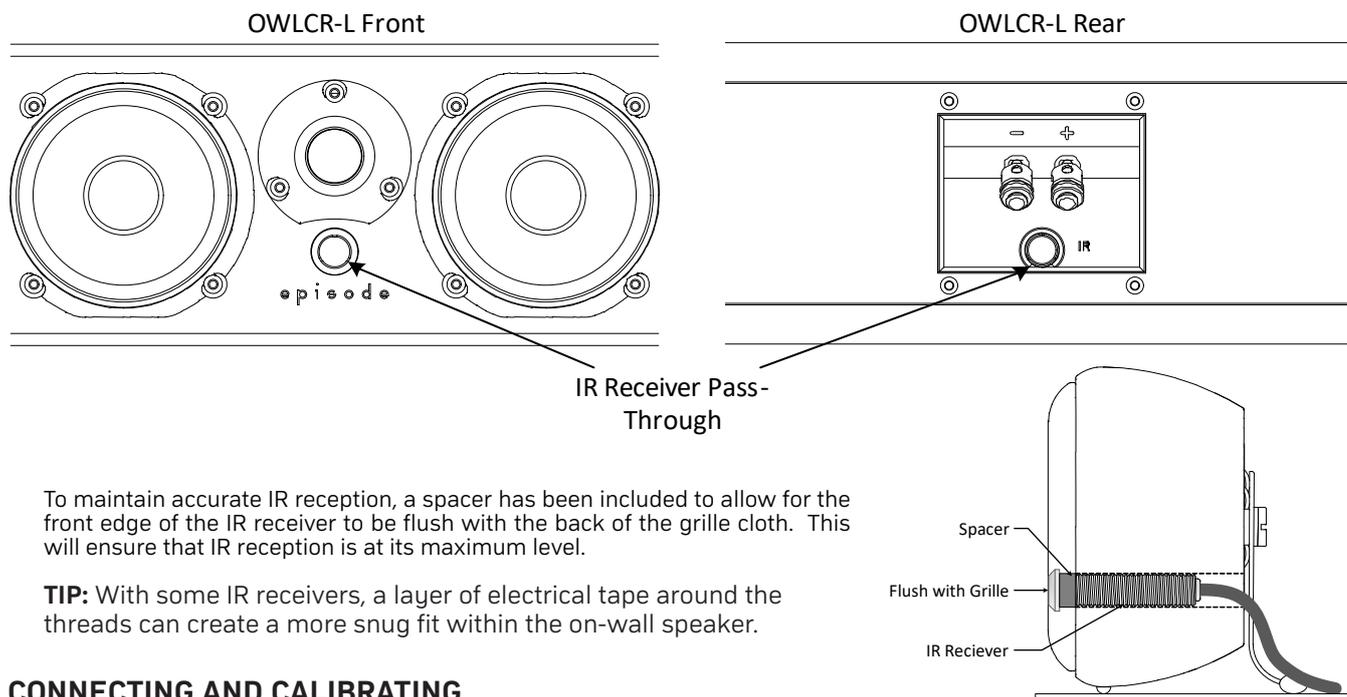


6. Place the Speaker onto the wall brackets with the rear screws in the slots. Slide the speaker onto the bracket. Your install is now complete.



Installing an IR Receiver (ES-350-OWLCR-L Only)

The ES-350-OWLCR-L has the option of installing an optional IR Receiver directly into the speaker behind the grille cloth, eliminating the need to surface mount a stick-on receiver. Simply punch out the center of the pass-through and slide the IR Receiver through the exposed hole.



To maintain accurate IR reception, a spacer has been included to allow for the front edge of the IR receiver to be flush with the back of the grille cloth. This will ensure that IR reception is at its maximum level.

TIP: With some IR receivers, a layer of electrical tape around the threads can create a more snug fit within the on-wall speaker.

CONNECTING AND CALIBRATING

Proper Connections are important to the performance of any loudspeaker within an audio system.

Performing the following steps will ensure solid connections:

1. At each loudspeaker connection, ensure that the outer jacket is separated by at least 2".
2. Strip the insulation on each conductor approximately ¼" and insert into the speaker terminals.
 - Ensure that there are no stray strands of wire protruding from the connectors.
 - Observe proper polarity (+ to + and – to –) for each speaker and at the amplifier.
3. Turn on the home theater receiver and calibrate all loudspeakers in the system according to the receiver (or surround processor) manufacturer's instructions.

VERIFYING PHASE

When proper polarity is not maintained, the speakers play at the opposite 'time' from each other, or out of phase. The result is audio with lack of bass and vocals that sound thin or distant. If during or after calibrating your receiver you suspect the sound is not right and you cannot see any markings on the wire to verify polarity is correct, try this simple test:

1. Sit in the normal listening position for the system.
2. Play some music with your receiver set to Mono.
 - Listen to the music and observe the audio.
 - Does the bass sound full and even with the other audio?
 - Do the vocals sound centered and even in volume?
 - If either of the answers are YES, follow steps 3 and 4.
3. Turn off your receiver and reverse the connections for one of the speakers.
4. Repeat your test at the same volume level. When the sound has the loudest and best sounding bass, and vocals are centered and clear, your connections are correct and in-phase.

GENERAL MAINTENANCE

INSTALLING AND REMOVING THE GRILLE

- The grill is held by pins. To remove the grill, pull gently around the edge away from the speaker, slowly working your way from one end of the speaker to the other .
- To re-install, align the grill pins with the cups in the speaker and push into place.

CLEANING

- Use a dampened soft cloth or paper towel to clean the cabinet. The grill is best cleaned by brushing it off with a lint-free cloth.

SPECIFICATIONS

Model	ES-350-OWLCR-M	ES-350-OWLCR-L
Woofer Construction	3" Polypropylene Injection Cone w/ High Temp Voice Coil	3" Polypropylene Injection Cone w/ High Temp Voice Coil
Woofer Magnet Diameter	35mm OD Neo magnet	35mm OD Neo magnet
Voice Coil Size	35mm (1.25")	35mm (1.25")
Tweeter Construction	3/4" Silk Dome w/ Neo-Magnet, Ferrofluid Cooled	3/4" Silk Dome w/ Neo-Magnet, Ferrofluid Cooled
Passive Radiators	3" Polypropylene Cone	3" Polypropylene Cone
# of Woofers	1	2
# of Tweeters	1	1
# of Passive Radiators	1	2
Power Handling RMS (w)	20-100W RMS	20-100W RMS
Power Handling Peak (w)	250W	250W
Recommended Amplifier Power	8 ohms	8 ohms
Nominal Impedance (Ω)	8 ohms	8 ohms
Frequency Response	100 - 20kHz	100 - 20kHz
Sensitivity (2.83v @ 1m)	86dB	88dB
Crossover Type	12dB / octave woofer and tweeter sections	12dB / octave woofer and tweeter sections
Crossover Frequency	2.5kHz	2.5kHz
Product Weight	10.8lbs	12.3lbs
Grill Type	Acoustically Transparent Cloth	Acoustically Transparent Cloth
Finished Dimensions	13"L x 4.5"H x 2.8"D	23.5"L x 4.5"H x 2.8"D
1/2" IR Knockout	No	Yes
Mounting Options	Wall-Mount, Table-Top	Wall-Mount, Table-Top
Connector Type	Gold-Plated Push Terminals	Gold-Plated Push Terminals
Wire Size Accepted	Up to 14AWG	Up to 14AWG

WARRANTY

Limited Lifetime Warranty

Episode On-Wall 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

As a thank you for purchasing Episode® Electronics products, direct technical support services are available via phone or e-mail. We encourage you to use this resource for any questions or concerns about our products. Visit our website for more support documentation.

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techsupport@snapav.com

snapav.com



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