

SGC65 In-Ceiling Speakers

Spec-Grade®



When the specs call for quality sound, rely on Leviton's award-winning* Spec-Grade Sound™ indoor and outdoor speaker line for exceptional technical innovation and value. Spec-Grade Sound speakers deliver features and performance comparable to higher-end brands, at a price that's right for the entire range of the residential installation and construction business.

All of Leviton Spec-Grade Sound™ indoor speakers incorporate exceptionally strong, light and rigid AeroNylon tweeters and Kevlar®-composite woofers for exceptional clarity, detail and impact, along with built-in AutoSurge™ protection to help protect the speakers from possible damage due to over driving. The outdoor/utility speaker is constructed of weather resistant materials inside and out for years of use in challenging environments.

*Electronic House Magazine "Product of the Year"

APPLICATIONS

In-Ceiling Speakers

The reality of installed audio systems in residences is that aesthetics are often the main concern with many homeowners, especially in production building where the type and location of room furnishings may not be completely known until after the system is installed. In these cases a quality, optimized in-ceiling design can deliver performance comparable to that of in-wall speakers.

FEATURES AND BENEFITS

In-Ceiling Models)

- Kevlar® composite woofer – Woofer construction combines exceptional rigidity and lightness to provide the perfect linear movement needed to reproduce dynamic, tight bass and incisive midrange frequencies
- AeroNylon tweeter diaphragm – Aerospace-grade nylon tweeter diaphragm combines very low mass and high tensile strength to provide crystal-clear treble response and exceptionally accurate tracking of even the most challenging musical transients
- AutoSurge™ circuit protection – Built-in AutoSurge protection responds to potentially destructive power peaks automatically and resets after the event, helping prevent speaker damage
- Advanced phase/time alignment guide – A precise phase/time waveguide is used to properly align sound without mis-aligning the tweeters – a problem with many adjustable in-wall speakers – in order to provide extremely accurate stereo imaging
- Precision dividing network – The dividing network (or crossover) used in all Spec-Grade Sound speakers is made of high-spec components to ensure total audio signal electronic integrity up to the last microsecond before the signal is converted into sound
- Inert mounting frame with "dogleg" installation points – To eliminate any transmitted vibrations that could color in-wall or ceiling sound quality, Spec-Grade Sound speakers rely on a baffle-frame assembly incorporating higher-density plastics and a series of adjustable "doglegs" to rigidly clamp the speaker to the wall or ceiling material
- 6.5- Inch Two-Way In-Ceiling Loudspeaker (Cat. No. SGC65-00W)
- Includes paintable white grille
- 6.5-inch Kevlar composite cone low-frequency transducer
- .5-inch AeroNylon dome high-frequency transducer
- 2-way balanced precision crossover network with AutoSurge circuit protection
- Frequency Response: 50-20kHz +/- 3dB
- Sensitivity: 87.0 dB SPL @ 1Watt/1 Meter
- Power Handling: 120W peak/60W RMS Impedance: Nominal 8 Ohms/Minimum 6 Ohms
- Physical Dimensions and Weight: Diameter: 9.03 in/229.4 mm; Depth: 3.25 in/82.6 mm Weight: 6.5 lbs

SGC65 In-Ceiling Speakers Powered by Spec-Grade®

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PRE-CONSTRUCTION BRACKET KIT

Cat. No.: PCC55

INSTALLATION INSTRUCTIONS

CAUTION: NOTE THAT THIS MANUAL IS WRITTEN WITH THE ASSUMPTION THAT THE INSTALLER POSSESSES SKILL IN THE PROPER USE OF HAND AND POWER TOOLS, AND IS FAMILIAR WITH THE ENVIRONMENT BEHIND THE SURFACE OF THE WALL OR CEILING WHERE THE SPEAKERS WILL BE INSTALLED.

TO INSTALL:

1. Select speaker mounting location. Route speaker cable from source to this location. Note: We recommend the use of 16/2 (minimum) class 3 speaker wires.
2. Attach wings to back plate of Pre-Construction Bracket (refer to Figure 1). Only two wings are required for each back plate. Select the mounting arrangement that best suites your specific application. Note: The wings are designed to be shortened as required.
3. Attach the Pre-Construction Bracket in the desired location to the underside of framing members so that after drywall installation, the bracket and the wings are sandwiched between the drywall and the framing member (ensure "FRONT" is facing into the room) (refer to Figure 1A). If the mounting area is too congested to use both mounting wings you can drive screws through the back plate directly into the framing member.
4. Loop the speaker wire and attach it to the wire management loops on the back of the bracket.
5. After drywall installation install speakers in holes provided by drywall installer. Follow instructions included in speaker packaging.

Figure 1A – Ceiling Mounting

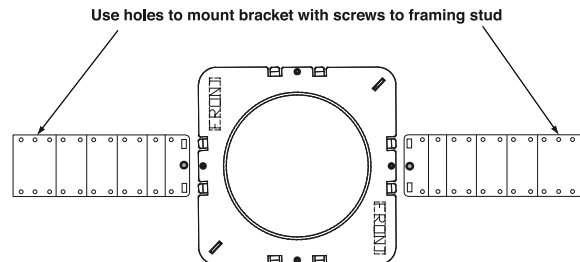
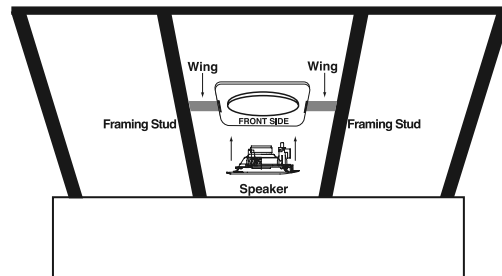


Figure 2 (Ceiling Mounting Depicted)



ORDERING INFORMATION

DESCRIPTION	CAT. NO.
Pair of 6.5" Spec-Grade Two-Way In-Ceiling Loudspeakers, 120 W peak/ 60 W RMS, 8 ohms	SGC65-00W
Fire Rated Back Box for Leviton 6.5" Ceiling Speakers	AEBC6-000
Pre-Construction Bracket Kit	PCC55-KIT

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