



BOGEN BG-CSD2X2 DROP-IN CEILING SPEAKER USER MANUAL

[Home](#) » [Support](#) » **BOGEN BG-CSD2X2 DROP-IN CEILING SPEAKER USER MANUAL** 

Contents

- [1 BOGEN BG-CSD2X2 DROP-IN CEILING SPEAKER](#)
- [2 Overview](#)
- [3 Key Features](#)
- [4 Components and Accessories](#)
- [5 SPECIFICATIONS](#)
- [6 Contact Information](#)
- [7 FAQs](#)
- [8 Related Posts](#)

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BOGEN BG-CSD2X2 DROP-IN CEILING SPEAKER



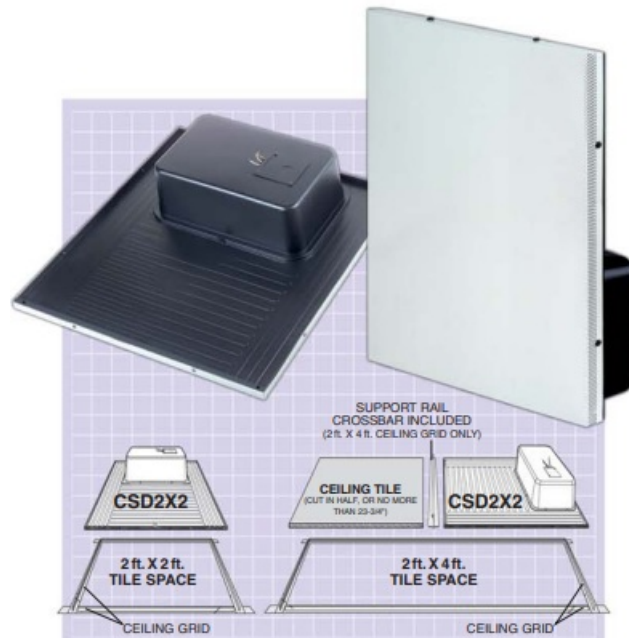
Overview

Drop-In Ceiling Speaker with Back Can

Bogen's CSD2X2 Drop-In Ceiling Speaker is a full-range speaker that allows for fast and easy installation, which saves installation time, effort, and cost.

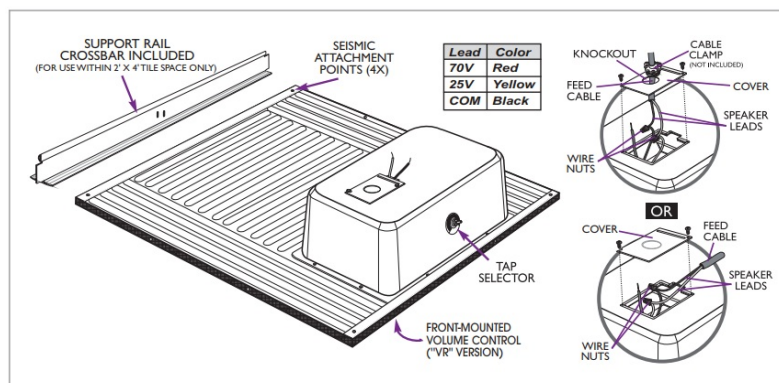
Key Features

- The CSD2X2 is a 2' x 2' speaker designed to fit perfectly into 2' x 2' ceiling grids without the need to cut ceiling tiles or use tile support rails.
- It can also be installed in 2' x 4' ceiling grids with a simple ceiling tile cut and the included support rail.
- A finely perforated grille covers the entire front of the speaker.
- Fully enclosed, industrial-grade steel construction for durability.
- Comes with an enclosed Back Can.
- Features an 8" main cone with a secondary high-frequency cone for enhanced sound quality.
- Equipped with a 70V/25V, 4-watt transformer with multiple wattage taps (4, 2, 1, 0.5, 0.25 watts) selectable via a rotary switch.
- Includes seismic attachment points for added safety.
- Available in both off-white and bright white ("U" versions) grille finish to match your decor.
- "VR" versions come with a Recessed Volume Control (front-mounted) for easy volume adjustment.
- Complies with the requirements of UL-2043 for safety.
- Support Rail Crossbar is included for installation convenience.



Components and Accessories

- **Support Rail Crossbar Included:** For use within 2' x 4' tile space only.
- **Seismic Attachment Points (4x):** Ensures secure installation.
- **Knockout:** Provides a convenient access point.
- **Feed Cable:** For electrical connections.
- **Cable Clamp (Not Included):** Helps secure cables in place.
- **Cover:** Protective element for the speaker.
- **Speaker Leads:** Wires for audio signal transmission.
- **Wire Nuts:** Used for connecting wires securely.



SPECIFICATIONS

- **Frequency Response:** 95 Hz – 20 kHz
- **SPL @ 1W / 1m:** 94 dB
- **Power Taps:** 4, 2, 1, 0.5, 0.25 watts
- **Dispersion @ 2 kHz (6 dB down):** 100°
- **Cone Material & Surround:** Treated paper
- **Cones:** 8" main cone with secondary high-frequency cone
- **Magnet Weight:** 10 oz.

- **Connection:** Via wire nuts (included in electrical box)
- **Dimensions:** 23-13/16" W x 5" H x 23-13/16" D
- **Product Weight:** 12 lb.
- 70V and 25V Compatible.

Plenum-Rated, complies with Requirements of Standard UL-2043.

Architect and Engineer Specifications

- The speaker shall be a Bogen Model CSD2X2 or CSD2X2VR Drop-In Ceiling Speaker.
- It shall be fully enclosed and constructed of industrial-grade steel.
- The speaker shall consist of an 8" damped high-compliance factory-mounted loudspeaker.
- The loudspeaker shall have an 8" treated paper main cone, a secondary high-frequency cone, and a 10-ounce magnet.
- The unit shall feature a 70V/25V transformer with selectable power taps of 4, 2, 1, 0.5, and 0.25 watts, adjusted by a rotary switch.
- The speaker shall provide a minimum output of 94 dB @ 1 watt / 1 meter.
- The frequency response of the speaker shall range from 95 Hz to 20 kHz (minimum).
- The speaker shall include 4 seismic attachment points.
- The grille of the speaker shall have a non-reflective finish and be available in off-white or bright white ("U" versions).
- For CSD2X2VR, a front-mounted volume control shall be easily accessible.
- The speaker assembly shall fit into 2' x 2' and 2' x 4' ceiling tiles.
- For 2' x 2' installations, a support rail shall not be needed, and no cuts to the ceiling shall be necessary.
- For 2' x 4' installations, a single cut to the ceiling tile and an included support rail shall be needed.
- The dimensions of the speaker shall be 23-13/16" W x 5" H x 23-13/16" D.
- The weight of the speaker shall be 12 lb.

Contact Information

- **Address:** 50 Spring Street, Ramsey, NJ 07446, U.S.A.
- **Tel:** 201-934-8500
- **Fax:** 201-934-9832
- **Website:** www.bogen.com

Important Notes

- Specifications are subject to change without notice.
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FAQs

Can the BOGEN BG-CSD2X2 Drop-In Ceiling Speaker be used in both 2' x 2' and 2' x 4' ceiling tile

installations?

Yes, this speaker is versatile and can be used in both 2' x 2' and 2' x 4' ceiling tile installations. For 2' x 2' installations, no support rail is needed, and no cuts to the ceiling tiles are required. For 2' x 4' installations, a single cut to the ceiling tile and an included support rail are needed.

What is the purpose of the seismic attachment points on this speaker?

The seismic attachment points (4x) are designed to ensure secure installation, especially in environments where there may be vibrations or seismic activity. These attachment points help to prevent the speaker from becoming dislodged during such events.

Is the BOGEN BG-CSD2X2 Drop-In Ceiling Speaker suitable for both residential and commercial use?

While it can be used in various settings, this speaker is particularly well-suited for commercial applications where fast and easy installation is essential. It's commonly used in offices, schools, retail spaces, and other commercial environments.

Can I adjust the wattage of the speaker to match the requirements of my audio setup?

Yes, the speaker comes with a 70V/25V, 4-watt transformer with multiple wattage taps (4, 2, 1, 0.5, 0.25 watts) selectable via a rotary switch. This allows you to adjust the speaker's wattage to match your specific audio needs.

Does the speaker comply with safety standards?

Yes, the speaker complies with the requirements of UL-2043, ensuring that it meets safety standards and can be used with confidence in various environments.

Can I find replacement parts and accessories for this speaker easily?

Yes, Bogen offers replacement parts and accessories for their products. You can contact them directly or visit their website for more information on obtaining replacement parts or additional accessories.

Can I daisy-chain multiple speakers for larger audio setups?

Yes, you can typically daisy-chain multiple speakers for larger audio setups. However, it's essential to ensure that your amplifier or audio source can handle the total speaker load when connecting multiple speakers.

Does the speaker come with detailed installation instructions?

Yes, the speaker typically includes installation instructions to guide you through the setup process. Be sure to follow these instructions carefully for proper installation.

Can I paint the grille of the BOGEN BG-CSD2X2 Drop-In Ceiling Speaker to match the ceiling color or decor?

The grille of the speaker is typically available in both off-white and bright white (U versions). If you need a different color, it may be possible to paint the grille to match your decor, but it's essential to use paint that won't affect the speaker's performance or acoustic properties. Be cautious not to clog the perforations in the grille with paint.

Is this speaker suitable for outdoor installations, or is it designed for indoor use only?

The BOGEN BG-CSD2X2 Drop-In Ceiling Speaker is primarily designed for indoor use. It may not have the weatherproofing required for outdoor installations. If you need outdoor speakers, you should consider models specifically designed for outdoor use.

Can I use this speaker with both 70V and 25V audio systems?

Yes, this speaker is compatible with both 70V and 25V audio systems. It features a 70V/25V, 4-watt transformer with multiple wattage taps (4, 2, 1, 0.5, 0.25 watts) that can be selected via a rotary switch to match your audio setup.

How do I adjust the volume on the VR (Recessed Volume Control) versions of this speaker?

The VR versions come with a front-mounted Recessed Volume Control for easy volume adjustment. You can typically adjust the volume by turning the control knob located on the front of the speaker.

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