

What's New in CS Series v.3?

Bezel free aesthetic delivers invisibility! Great sound, but out of sight which is exactly the point of custom!

ABS clamps replace the original polymer mounting brackets, cutting down on installation time and simplifying installation

Deeply recessed pocketed screw holes in the flange help hold the drill steady, making the installer's job so much easier and faster.

A slight slope in the baffle's flange prevents unsightly gaps around the install for an even better aesthetic!

High-strength magnets hold grilles securely in place in the wall or ceiling.

No masking required —this makes the grilles faster and easier to paint, if painting is desired

CS Series' high-quality driver components make an audible difference

Superior PTD™ Pure-Titanium Tweeter Domes. Ferro-fluid damped and cooled to ensure smooth high-frequency performance with amazing clarity across a wide listening area.

Superior Mineral-Filled Polypropylene Bass/Midrange Cones. Oversized computer-optimized ferrite magnets and high-power motor structures deliver detailed midrange performance with clean, extended bass. Even movie dialog is incredibly clean and clear.

Two unique alternatives for great sound in challenging situations

Want rich, pure fidelity sound from a single speaker? Choose the CS-60R-SM

- Two PTD™ Pure-Titanium High-Frequency Domes offset at 30° angles
- Dual Voice-Coil Mineral-Filled Polypropylene Bass/Midrange Cone

Our CS-60R-SM (stereo/mono) speaker is a solo performer. It offers rich pure-fidelity dual-channel L/R sound from a single speaker. Its Dual-Directional Soundfield™ provides wider-than-normal dispersion making it ideal for use in small rooms less suited to a stereo pair (Fig.1), or where a single speaker is preferred. In larger spaces, using multiple "SM" speakers eliminates the sound imbalances that occur with separate stereo speakers as people move around, or are seated closer to one speaker than the other (Fig. 2). Also ideal for use as surround and/or rear speakers (Fig. 3).

Want sound flooding into a very specific area of a room? Choose the CS-60R-30

The CS-60R-30's Guided Soundfield™ system allows you to guide a wide arc of sound toward a very specific area of the room, much the same way we guide a floodlight to fill an area with light. Drivers sit at a 30° angle from the ceiling allowing you to adjust the direction of sound (Fig.4), without compromising the crucial sound dispersion pattern engineered between drivers, or the interaction between drivers and baffle. Sonic integrity is preserved. Two CS-60R-30's (or four!) are also ideal as surround/rear speakers. Guiding the sound towards the sides and/or the rear of the room ensures an enveloping surround sound experience (Fig. 5).

PLACEMENT

Top view of rooms:

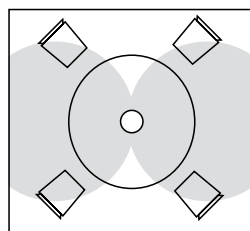


Fig. 1

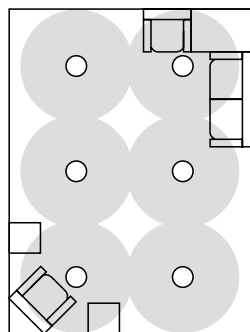


Fig. 2

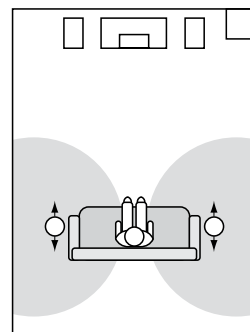


Fig. 3

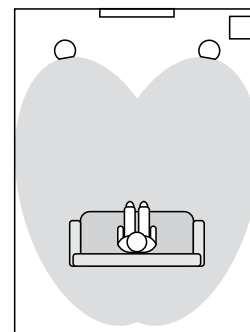


Fig. 4

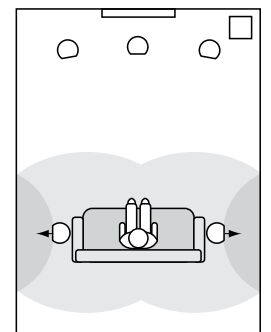


Fig. 5



Redesigned! Easy-access binding posts.

Our latest high-quality binding posts feature a larger wire access hole and connect via banana plug, pin or bare wire.



Same great sound. Faster, easier installation!

Our New High-Strength ABS Chassis and Clamp System addresses the flexibility problem that plagues all walls and ceilings. ABS stiffness combats unwanted resonances and vibrations and equally important, the new clamp design makes the installer's job easier and faster! Simply push the speaker into the ceiling or wall and screw it in ... YES! It really is that simple (*see illustrations below*).



A behind-the-ceiling look at how our new ABS clamps work!

Without any unnecessary pressure or force, each turn of the screwdriver turns the clamp. We show the starting point, we show the screwdriver working to turn the clamp, and finally, we show the speaker locked into place inside the wall or ceiling. It doesn't get simpler or easier!



Shown: clamps working in an in-ceiling application. Clamps operate the same way in an in-wall application.



Did you know? Paradigm CS Series speakers are designed and engineered in Canada.

Technical Specifications



FBX-50



FBX-60



FBX-160



BX-10R

Paradigm Fireproof Backboxes

Paradigm in-ceiling applications can be spec'd for multiple dwelling units. Our backboxes meet the following requirements:

- 'One-Hour Fire-Rating' requirements
- 'For Use in Air Handling Spaces' requirements. Paradigm backboxes will contain fire, gas, smoke and heat within the enclosure for up to one hour.

Backboxes are sold separately.



Want a square aesthetic?

Square grille available for the following in-ceiling models: CS-50R, CS-60R, CS-80R, CS-60R-30, CS-60R-SM.

Coming Soon!



CS-50R

Design

2-driver, 2-way in-ceiling/in-wall, coaxially mounted high-frequency driver, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 3.0 kHz

High-Frequency Driver

19-mm (3/4 in) PTD™ dome

Bass/Midrange Driver

140-mm (5-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

60 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 75 Hz – 20 kHz
30° Off-Axis: ±2 dB from 75 Hz – 18 kHz

Sensitivity – Room/Anechoic

88 dB / 84 dB

Suitable Amplifier Power Range

15 – 70 watts

Maximum Input Power†

40 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

19.7 cm / 7-3/4 in

Minimum Mounting Depth**

5.7 cm / 2-1/4 in

Cutout Dimensions: (D or H x W)

17.2 cm / 6-3/4 in

Minimum Internal Volume Required

6 L / 0.22 cu ft

Weight (unpacked with grille)

1.2 kg / 2.65 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-7R; retrofit included



CS-60R

Design

2-driver, 2-way in-ceiling/in-wall, coaxially mounted high-frequency driver, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 3.0 kHz

High-Frequency Driver

19-mm (3/4 in) PTD™ dome

Bass/Midrange Driver

165-mm (6-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

55 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 70 Hz – 20 kHz
30° Off-Axis: ±2 dB from 70 Hz – 18 kHz

Sensitivity – Room/Anechoic

89 dB / 85 dB

Suitable Amplifier Power Range

15 – 80 watts

Maximum Input Power†

50 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

22.1 cm / 8-11/16 in

Minimum Mounting Depth**

6.0 cm / 2-6/16 in

Cutout Dimensions: (D or H x W)

19.6 cm / 7-3/4 in

Minimum Internal Volume Required

12 L / 0.42 cu ft

Weight (unpacked with grille)

1.34 kg / 2.95 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-8R; retrofit included



CS-60R-SM

Design

Single speaker system with stereo L/R inputs, 3-driver, 2 x 2-way in-ceiling/in-wall, coaxially mounted high-frequency drivers, ABS chassis/mounting clamps

Crossovers

Two 2nd-order electro-acoustic at 3.0 kHz

High-Frequency Drivers

Two 19-mm (3/4 in) PTD™ domes

Bass/Midrange Driver

Dual voice-coil, 165-mm (6-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

52 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 70 Hz – 20 kHz
30° Off-Axis: ±2 dB from 70 Hz – 15 kHz

Sensitivity – Room/Anechoic

89 dB / 85 dB

Suitable Amplifier Power Range

15 – 80 watts Mono;
15 – 40 watts/channel Stereo Input

Maximum Input Power†

50 watts

Impedance

Compatible with 4 ohms Mono;
8 ohms/channel Stereo Input

External Dimensions: (D or H x W)

22.1 cm / 8-11/16 in

Minimum Mounting Depth**

6.0 cm / 2-6/16 in

Cutout Dimensions: (D or H x W)

19.6 cm / 7-3/4 in

Minimum Internal Volume Required

12 L / 0.42 cu ft

Weight (unpacked with grille)

1.52 kg / 3.35 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-8R; retrofit included



CS-60R-30
GUIDED SOUNDFIELD™
SYSTEM

Design

2-driver, 2-way in-ceiling, drivers mounted at 30° relative to mounting surface, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 2.5 kHz

High-Frequency Driver

25-mm (1 in) PTD™ dome

Bass/Midrange Driver

165-mm (6-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

55 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 70 Hz – 20 kHz
30° Off-Axis: ±2 dB from 70 Hz – 15 kHz

Sensitivity – Room/Anechoic

89 dB / 85 dB

Suitable Amplifier Power Range

15 – 80 watts

Maximum Input Power†

50 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

29 cm / 11-3/8 in

Minimum Mounting Depth**

12.0 cm / 4-3/4 in

Cutout Dimensions: (D or H x W)

26.3 cm / 10-3/8 in

Minimum Internal Volume Required

12 L / 0.42 cu ft

Weight (unpacked with grille)

1.61 kg / 3.55 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-10R; retrofit included



CS-80R

Design

2-driver, 2-way in-ceiling/in-wall, coaxially mounted high-frequency driver, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 2.5 kHz

High-Frequency Driver

25-mm (1 in) PTD™ dome

Bass/Midrange Driver

210-mm (8 in) mineral-filled polypropylene cone

Low-Frequency Extension*

45 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 60 Hz – 20 kHz
30° Off-Axis: ±2 dB from 60 Hz – 18 kHz

Sensitivity – Room/Anechoic

90 dB / 86 dB

Suitable Amplifier Power Range

15 – 90 watts

Maximum Input Power†

60 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

26.5 cm / 10-7/16 in

Minimum Mounting Depth**

7.6 cm / 3 in

Cutout Dimensions: (D or H x W)

23.8 cm / 9-3/8 in

Minimum Internal Volume Required

16 L / 0.56 cu ft

Weight (unpacked with grille)

2.15 kg / 4.75 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-9R; retrofit included



CS-150

Design

2-driver, 2-way in-wall/in-ceiling, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 2.5 kHz

High-Frequency Driver

19-mm (3/4 in) PTD™ dome

Bass/Midrange Driver

140-mm (5-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

60 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 75 Hz – 20 kHz
30° Off-Axis: ±2 dB from 75 Hz – 18 kHz

Sensitivity – Room/Anechoic

88 dB / 84 dB

Suitable Amplifier Power Range

15 – 80 watts

Maximum Input Power†

50 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

25.9 cm x 18.2 cm / 10-3/16 in x 7-3/16 in

Minimum Mounting Depth**

5.4 cm / 2-2/16 in

Cutout Dimensions: (D or H x W)

23.3 cm x 15.6 cm / 9-3/16 in x 6-1/8 in

Minimum Internal Volume Required

6 L / 0.22 cu ft

Weight (unpacked with grille)

1.5 kg / 3.3 lb each

Finish

White, paintable

Pre-Construction Bracket (sold sep.)

PB-6x9; retrofit included



CS-160

Design

2-driver, 2-way in-wall/in-ceiling, ABS chassis/mounting clamps

Crossover

2nd-order electro-acoustic at 2.5 kHz

High-Frequency Driver

19-mm (3/4 in) PTD™ dome

Bass/Midrange Driver

165-mm (6-1/2 in) mineral-filled polypropylene cone

Low-Frequency Extension*

55 Hz (DIN)

Frequency Response:

On-Axis: ±2 dB from 70 Hz – 20 kHz
30° Off-Axis: ±2 dB from 70 Hz – 18 kHz

Sensitivity – Room/Anechoic

89 dB / 85 dB

Suitable Amplifier Power Range

15 – 90 watts

Maximum Input Power†

60 watts

Impedance

Compatible with 8 ohms

External Dimensions: (D or H x W)

28.3 cm x 20.6 cm / 11-1/8 in x 8-1/8 in

Minimum Mounting Depth**

6.0 cm / 2