

Controlled Performance
In-Ceiling and In-Wall Loudspeakers



Performance guide

All Monitor Audio Controlled Performance (CP) In-Ceiling and In-Wall loudspeakers feature integral back boxes. These rigid, mineral-filled enclosures provide great control over the sound quality and dispersion characteristics. The back box also contains the bass driver's 'back-wave', limiting sound transmission to adjacent rooms.

Most In-Ceiling and In-Wall speakers are open-back designs allowing the wall or ceiling cavity behind the speaker to act as the speaker enclosure. We maximize the performance of Monitor Audio CP models by providing a precisely sized speaker enclosure. Sound quality remains consistent from room to room regardless of wall or ceiling cavity size, and sound 'spill' into adjacent rooms is minimized.

Seamless integration between all models and ranges is an important Monitor Audio design goal. That's why all CP In-Ceiling and In-Wall loudspeakers use the same drive unit technology found in our traditional in-room loudspeakers. Mix and match all Monitor Audio's speakers with confidence for a truly harmonious result in every room and application.

Good Radius CP Loudspeakers

Radius CP In-Ceiling and In-Wall loudspeakers incorporate proprietary technologies and materials found in our popular Radius in-room loudspeakers. Radius CP models are 2-way designs that combine 5 ¼-inch MMP®II bass drivers with Monitor Audio's trademark ¾-inch C-CAM® gold dome tweeter to provide high-performance sound, ease of drive, and wide frequency response and dispersion. Optimum imaging and set-up is established via a pivoting tweeter. Radius CP models have the smallest overall diameter in the CP range and are the best choice for homeowners who want the most discreet speaker solution.

Better Bronze CP Loudspeakers

The step to the Bronze CP loudspeakers is defined by larger drivers. These models marry 6 ½-inch MMP®II bass drivers with 1-inch C-CAM® gold dome tweeters. By virtue of their larger drivers and enclosure, Bronze CP loudspeakers provide extended high-frequency response to 30kHz, deeper bass, and higher output and power handling capacity than the Radius CP models. All Bronze CP In-Ceiling and In-Wall loudspeakers incorporate proprietary technologies and materials found in our highly acclaimed Bronze in-room loudspeakers. Optimum imaging and set-up is established via a pivoting tweeter (In-Ceiling version only).

Best Silver CP Loudspeakers

Silver CP loudspeakers feature C-CAM® drivers throughout and add a high-frequency level control. These models combine 6 ½-inch C-CAM® bass drivers with 1-inch C-CAM® gold dome tweeters. Optimum imaging and set-up is established via a pivoting tweeter (In-Ceiling version only) and a high-frequency (+3dB / 0dB / -3dB) level adjustment (all versions). Silver CP loudspeakers provide extended high-frequency response to 30kHz, increased mid-range detail, and higher output and power handling capacity than the Bronze CP models.

Flagship Gold CP Loudspeakers

Our flagship Gold CP In-Ceiling and In-Wall loudspeakers incorporate proprietary technologies and materials found in our award-winning Gold in-room loudspeakers. Gold CP models feature 6 ½-inch C-CAM® bass drivers with RST® cone profiles, cast-aluminum bass driver chassis, and 1-inch C-CAM® gold dome tweeters. The 'dimpled' RST® cones provide faster response than conventional cones for increased bass and mid-range detail. The rigid cast-aluminum driver chassis is completely inert limiting distortion caused by mechanical interactions with the driver's RST® cone. Optimum imaging and set-up is established via a pivoting tweeter (In-Ceiling version only), plus high-frequency and midrange-frequency (+3dB / 0dB / -3dB) response controls (all versions). The Gold CP loudspeakers provide extended high-frequency response to 30kHz, rich midrange detail, and higher output and power handling capacity than the Silver CP models.

Single-Speaker Stereo Radius CP Stereo Loudspeakers

Our Radius CP Stereo In-Ceiling loudspeaker features dual ¾-inch C-CAM® tweeters and a 5 ¼-inch MMP®II dual wound voice coil bass driver for high performance stereo sound from a single speaker. The Radius CP Stereo model is ideal for bathrooms, hallways, or any area where space does not allow for stereo pairs

Performance at a Glance		Good	Better	Best	Flagship	Single Stereo
In-Ceiling	Radius CP IC	•				
	Bronze CP IC		•			
	Silver CP IC			•		
	Gold CP IC				•	
	Radius CP IC Single Stereo					•
In-Wall	Radius CP IW	•				
	Bronze CP IW		•			
	Silver CP IW			•		
	Gold CP IW				•	

Technology guide

Features



Controlled Performance Back Boxes

All Monitor Audio CP In-Ceiling and In-Wall loudspeakers feature integral Controlled Performance back boxes. These rigid, mineral-filled enclosures provide an ideal air load for the speaker optimizing midrange and bass performance while maintaining sonic consistency regardless of interior wall construction. The back box also contains the bass driver's back-wave limiting sound transmission to adjacent rooms.



MDF Front Baffles

Like their in-room counterparts, Gold, Silver, and Bronze CP In-Ceiling and In-Wall loudspeakers feature solid MDF front baffles for increased cabinet rigidity and low distortion. Radius CP loudspeakers feature mineral-filled, polymer front baffles.



Adjustable Response Controls

Optimum imaging and set-up is established via pivoting tweeter, high-frequency level (+3dB / 0dB / -3dB) controls, and midrange-frequency (+3dB / 0dB / -3dB) controls (depending on model).

Easy Handling During Installation

The integral back box prevents the ingress of loose building materials and dust into the drivers and crossover. The back box also makes handling easy and protects the crossover components from damage during installation.



New Construction Brackets

Accessory New Construction Brackets are available for all models to help mark speaker placement during framing and prior to sheetrock application. The brackets will span up to 24-inch stud spacing. New Construction Brackets are not required for retrofit applications.



Painting

A paint mask and additional grille scrim are provided for color matching to any décor.

Technology



MMP®II

MMP®II (Metal Matrix Polymer) driver cones have a polypropylene base loaded with metallic particles for a rigid and responsive structure. A high-pressure, injection molded process achieves a different cone thickness at critical points to optimize stiffness and consistency resulting in superior sonic performance.



C-CAM®

C-CAM® (Ceramic-Coated Aluminum Magnesium) is an innovative alloy material originally developed by the aerospace industry for its use as blades in jet engines where low mass and extreme rigidity are required. Monitor Audio C-CAM® drivers are formed from an alloy of aluminum and magnesium, which is made into the cone shape by a two stage high pressure forming technique. After forming the shape, a layer of pure ceramic (alumina) is depleted onto the surfaces, to give a completely rigid exterior. The resulting properties of the C-CAM® material are lightning-fast response for incredible clarity and extreme rigidity for low distortion.



RST®

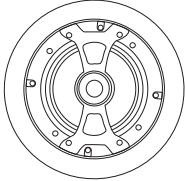
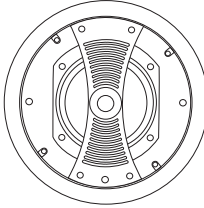
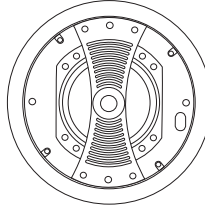
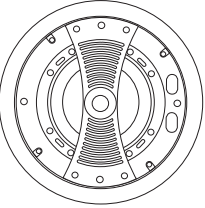
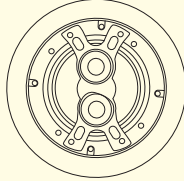
The dimpled surface of C-CAM® drivers with the RST® (Rigid Surface Technology) cone profile provides the conical shape of driver cones with another degree of resistance to mechanical bending forces. The dimples significantly increase cone rigidity and allow us to use thinner and therefore lighter C-CAM® cones. The dimpled RST® pattern also displaces any standing waves that can propagate across the cone surface. C-CAM® drivers with the RST® cone profile provide speed and accuracy, while virtually eliminating distortion caused by cone-flex during operation.

Technology at a glance

	C-CAM Tweeter	MMP II Woofer	C-CAM Woofer	RST Technology
Radius CP	•	•		
Bronze CP	•	•		
Silver CP	•		•	
Gold CP	•		•	•

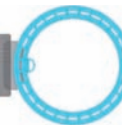
CP In-Ceiling speakers



	Full Range Speakers				Special Application
	Good	Better	Best	Flagship	Single-Stereo
	Radius CP IC 	Bronze CP IC 	Silver CP IC 	Gold CP IC 	Radius Stereo CP IC 
Frequency Response	60Hz - 25KHz	60Hz - 30KHz	60Hz - 30KHz	55Hz - 30KHz	60Hz - 25KHz
Impedance (nominal)	6 Ohms	8 Ohms	8 Ohms	8 Ohms	6+6 Ohms
Sensitivity (1W@1M)	88dB	88dB	89dB	89dB	88dB
Power Handling (RMS)	70 W	80 W	100 W	120 W	70 W
Recommended Amp	10 - 70 W	20 - 80 W	30 - 100 W	30 - 120 W	10 - 70 W
Driver Configuration	5 1/4" MMP II bass driver Pivoting 3/4" C-CAM gold dome tweeter	6 1/2" MMP II bass driver Pivoting 1" C-CAM gold dome tweeter	6 1/2" C-CAM bass driver Pivoting 1" C-CAM gold dome tweeter	6 1/2" C-CAM bass driver featuring RST technology Pivoting 1" C-CAM gold dome tweeter with high power ceramic magnet system & low resonance chamber	5 1/4" MMP II dual voice coil bass driver 2 x 3/4" C-CAM gold dome tweeters
Overall Diameter	8 7/16" (214mm)	11 1/16" (281mm)	11 1/16" (281mm)	11 1/16" (281mm)	8 7/16" (214mm)
Mounting Depth	6" (150mm)	7" (178mm)	7" (178mm)	7" (178mm)	6" (150mm)
Cut-out Hole Diameter	6 13/16" (173mm)	9 3/4" (247mm)	9 3/4" (247mm)	9 3/4" (247mm)	6 13/16" (173mm)
H.F. Level Switch (+3db/0dB/-3dB)	-	-	✓	✓	-
Midrange Level Switch	-	-	-	✓	-
Pre-Construction Bracket	CB5	CB8	CB8	CB8	CB5
Timbre-Matching	Radius / Bronze	Radius / Bronze	Silver	Gold	All Ranges

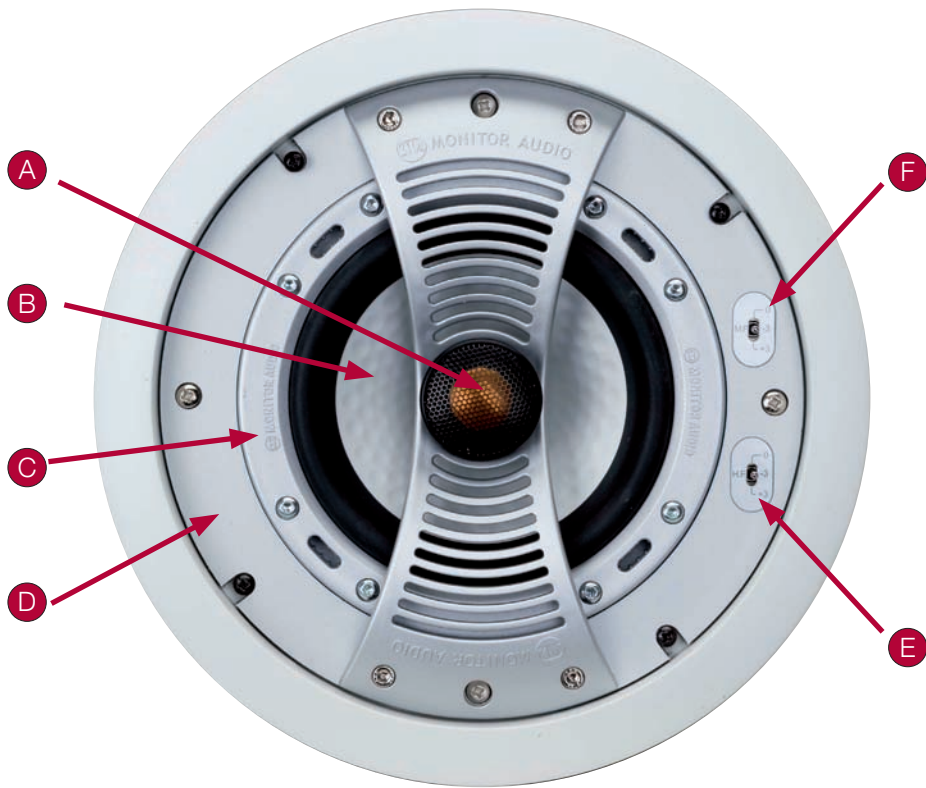


CB8 construction bracket fits Bronze, Silver and Gold CP In-Ceiling speakers



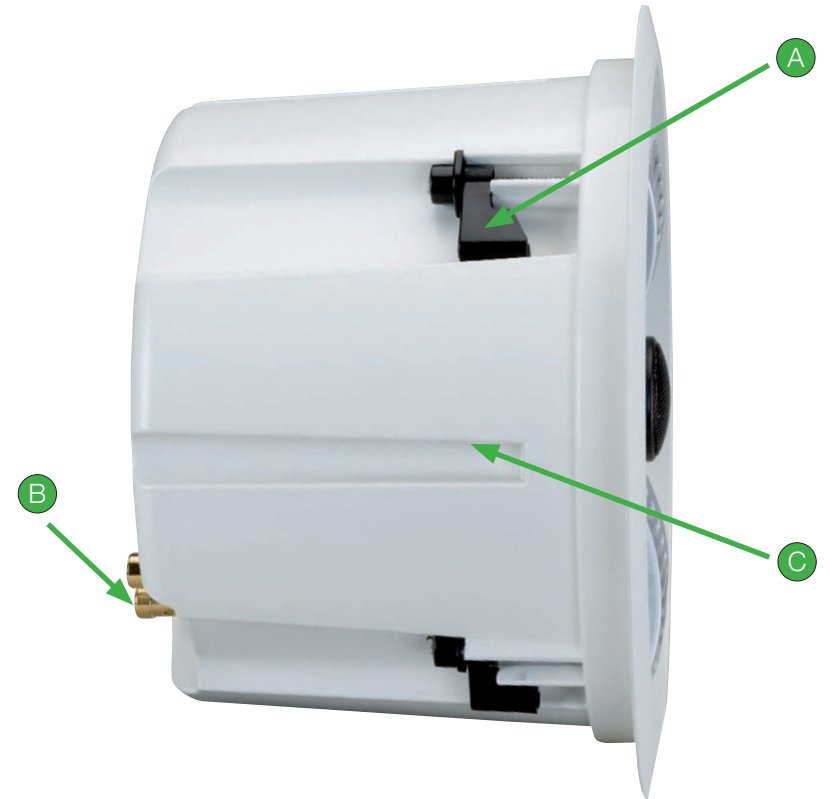
CB5 construction bracket fits Radius and Radius Stereo CP In-Ceiling speakers

In-Ceiling speakers



Gold CP IC Front

- A** Gold C-CAM® tweeter
- B** Gold C-CAM® Woofer with RST® Cone Profile
- C** Rigid Cast-Aluminum Driver Chassis
- D** MDF Front Baffle
- E** High-Frequency Control
- F** Mid-Frequency Control



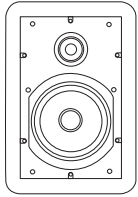
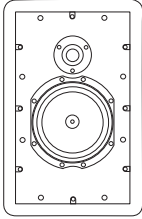
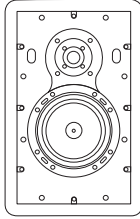
Gold CP IC Back

- A** Mounting Clamps
- B** Gold-plated Cable Terminals
- C** Mineral-filled Controlled Performance Back Box

CP In-Wall speakers



Full Range Speakers

	Good	Better	Best	Flagship
	Radius CP IW	Bronze CP IW	Silver CP IW	Gold CP IW
				
Frequency Response	60Hz - 25KHz	60Hz - 30KHz	60Hz - 30KHz	55Hz - 30KHz
Impedance (nominal)	6 Ohms	8 Ohms	8 Ohms	8 Ohms
Sensitivity (1W@1M)	88dB	88dB	89dB	89dB
Power Handling (RMS)	70 W	80 W	100 W	120 W
Recommended Amp	10 - 70 W	20 - 80 W	30 - 100 W	30 - 120 W
Driver Configuration	5 1/4" MMP II bass driver Pivoting 3/4" C-CAM gold dome tweeter	6 1/2" MMP II bass driver 1" C-CAM gold dome tweeter	6 1/2" C-CAM bass driver 1" C-CAM gold dome tweeter	6 1/2" C-CAM bass driver featuring RST technology 1" C-CAM gold dome tweeter with high power ceramic magnet system & low resonance chamber
Overall Measurements	12 5/16 x 8 5/16" (313 x 211.5mm)	16 11/16 x 10 11/16" (423 x 270mm)	16 11/16 x 10 11/16" (423 x 270mm)	16 11/16 x 10 11/16" (423 x 270mm)
Mounting Depth	3 7/8" (98mm)	3 1/2" (89mm)	3 1/2" (89mm)	3 1/2" (89mm)
Cut-out Hole Measurements	10 13/16 x 6 3/4" (275 x 172mm)	15 1/4 x 9 1/4" (387 x 234mm)	15 1/4 x 9 1/4" (387 x 234mm)	15 1/4 x 9 1/4" (387 x 234mm)
H.F. Level Switch (+3db/0dB/-3dB)	-	-	✓	✓
Midrange Level Switch	-	-	-	✓
Pre-Construction Bracket	WB5	WB8	WB8	WB8
Timbre-Matching	Radius / Bronze	Radius / Bronze	Silver	Gold

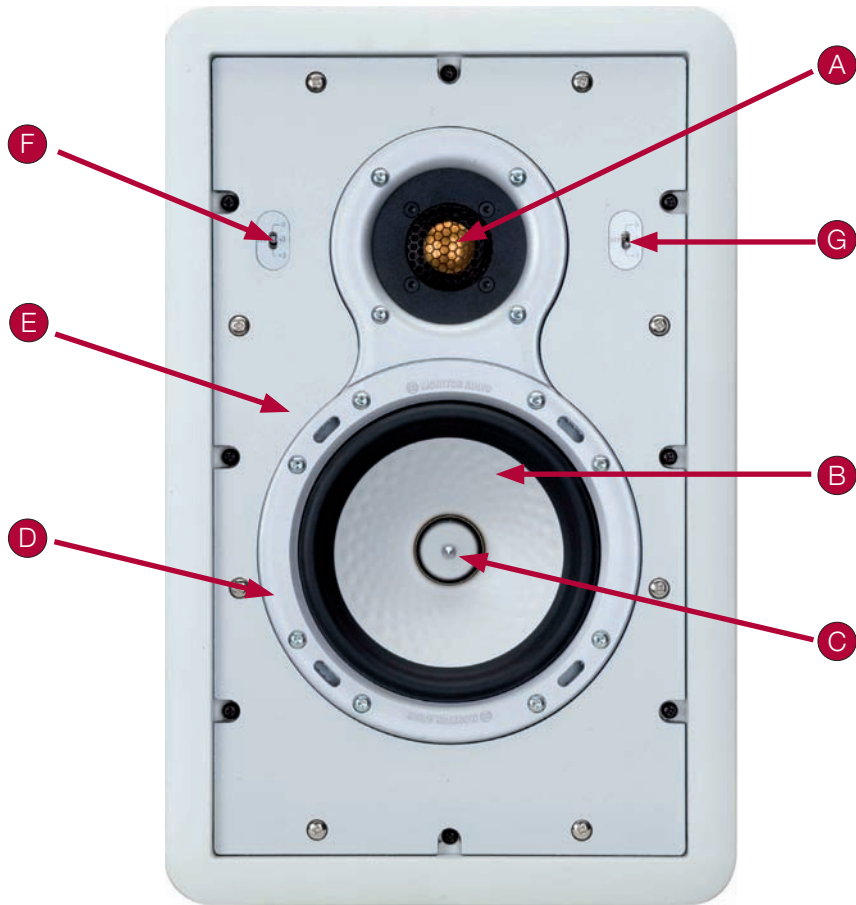


WB8 construction bracket fits
Bronze, Silver and Gold CP In-Wall
speakers



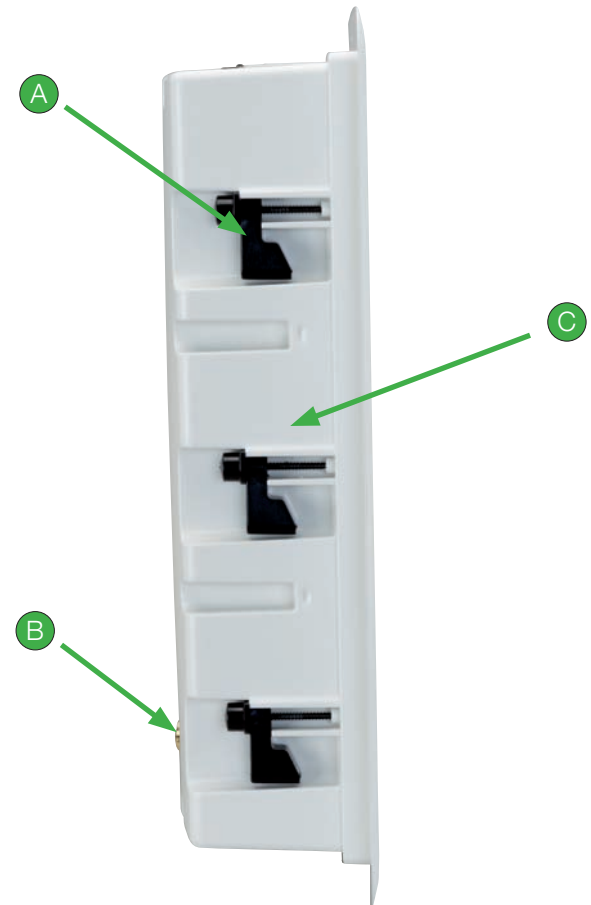
WB5 construction bracket fits
Radius CP In-Wall speakers

In-Wall speakers



Gold CP IW Front

- A** Gold C-CAM® Tweeter
- B** Gold C-CAM® Woofer with RST® Cone Profile
- C** Solid Aluminum Phase Dome
- D** Rigid Cast-Aluminum Driver Chassis
- E** Rigid MDF Front Baffle
- F** High-Frequency Control
- G** Midrange-Frequency Control



Gold CP IW Back

- A** Mounting Clamps
- B** Gold-plated Cable Terminals
- C** Mineral-filled Controlled Performance Back Box



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