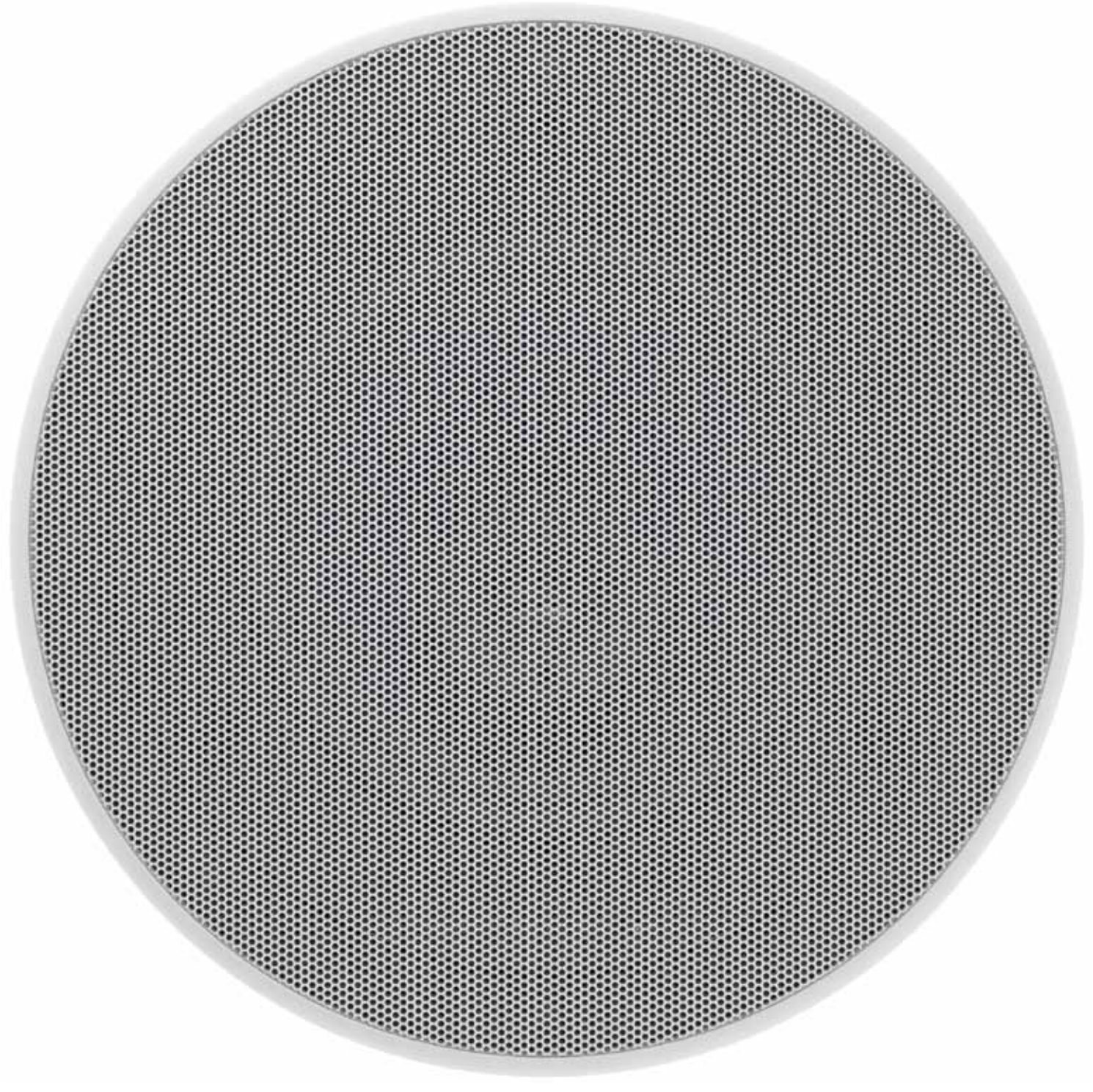


CI 600 Series

Each of our custom installation speakers has been developed with the same care and attention that we lavish on our more conventional, cabinet-based designs. Thanks to over forty years of experience in speaker development and our ongoing investment into science and technology we continue to lead the way in when it comes to sound quality. Our CI 600 Series speakers are no exception.

At Bowers & Wilkins we invest a lot of time in making sure the sound quality of our speakers is the best that can be achieved. But we also understand the importance of making sure they seamlessly integrate into their surroundings. Key new features incorporated into the design of the CI 600 Series has ensured that our speakers are heard and not seen.

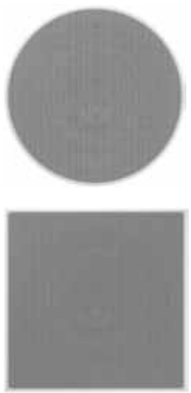
We also invest a lot of time listening to installers from all over the world to find out what is important to them. Throughout the Custom Installation Series you will find many features that have been developed in response to what installers have told us – from features that make the installation process quicker and easier through to those that make these speakers the best sounding installation speakers we have ever produced.

Kitchen, bedroom, bathroom
Each model in the CI 600 Series is designed to be installed neatly into the ceiling, fitting virtually flush to the surface. The only visible evidence of each speaker is its slimline grille and frame, which can be painted to blend perfectly with your interior style.

Thin bezels
Our CI 600 Series speakers incorporate bezels no larger than 5mm. Once sprayed in a colour of your choice they are barely noticeable.

Hiding the source
Commonly a scrim is used to hide whatever is behind the grille. Whilst this does the job effectively, it often causes deterioration in sound quality and also makes the grille more difficult to paint. To ensure that nothing can be seen through the grille we have made sure that everything behind the grille is dark. Our usual yellow Aramid Fibre drivers have become blue and our aluminium tweeters are anodised black. This removes the need for a scrim and maintains a constant sound quality.

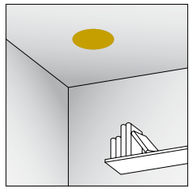
A choice of grilles
There is now a choice of round or square grilles in order to help the speaker blend into its surroundings. The square grille is available as an option for the CI 600 Series and can replace the round grille at the first installation or be retrofitted due to any future redesign.



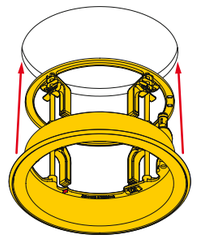
Super fast installation

With no need for tools the CI 600 Series speakers are now super fast to install thanks to innovative features designed to make the process quick and easy. All speakers in the Custom Installation Series have been designed for optimum sound reproduction when installed in most types of solid or plasterboard constructions.

In-ceiling installation
1–3
QuickDogs™
One of the most important features on all of the 600 series models are the QuickDogs™. These enable you to install the frame in seconds rather than minutes by simply pushing the 'dogs' down with your fingers to save valuable time.



4
Plug-and-Play
All of our custom installation models are equipped with a newly developed plug-and-play feature. Because the speaker cable is conveniently installed into the frame you can use both hands for the installation. Once the cable is fitted just push the baffle into place utilising the cable interference blocks to create a secure connection.



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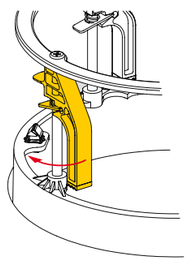

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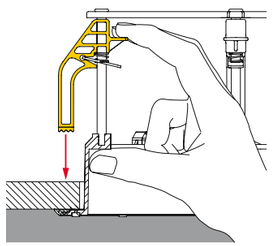
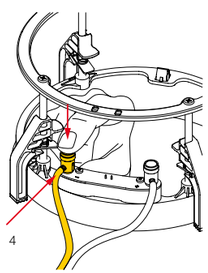


3

5
Push-to-close fasteners
To keep the installation quick and easy we use push-to-close fasteners to secure the baffle into the frame. Just push to lock the baffle into place.

6
Magnetic grilles
In conventional designs the grille is fitted using a friction fit which can be time consuming and can result in damage to the grille.
All our new speakers come with magnetic grilles. Simply hold the grille in place and the magnets will do the rest.



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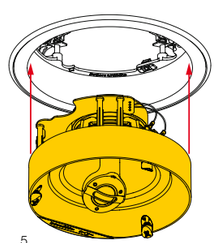

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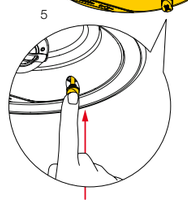
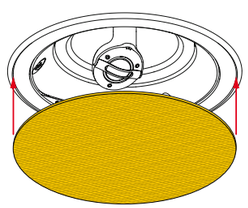
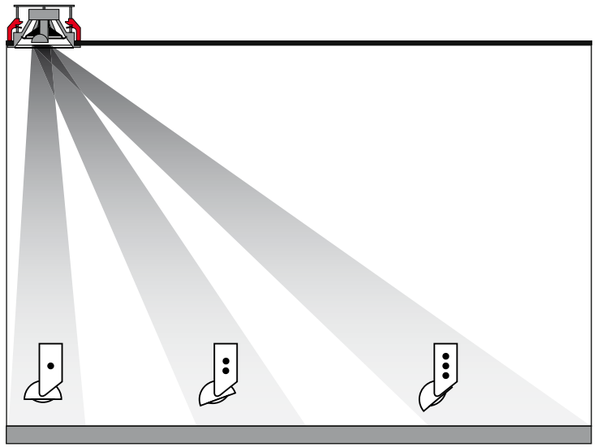


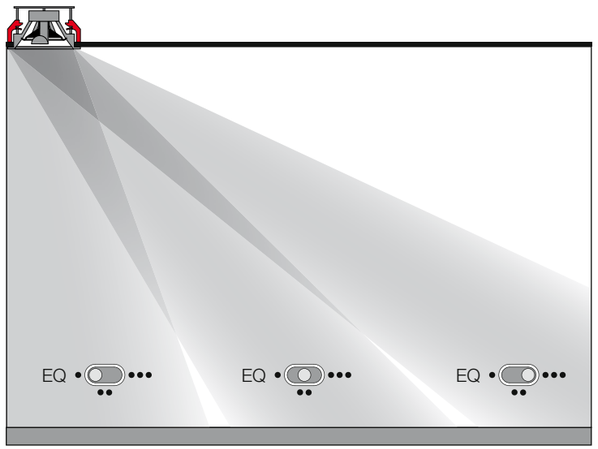


6

Off-axis optimising
In terms of custom installations it is very rare that someone will stand directly underneath the speaker to which they are listening. This is why almost all of our tweeters can be positioned in a variety of angles. However, this only solves half the problem so we have also developed a convenient switch on the front of the baffle which enables you to angle the midrange frequencies too. Now you can enjoy a near perfect sound experience anywhere in the room.

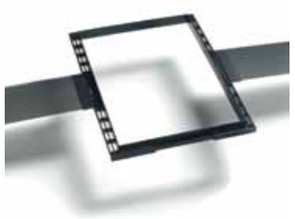


Off-Axis Tweeter Optimisation



Off-Axis Mid-Range Equalisation

Back box
In drywall construction, the back box increases sound insulation to adjoining rooms and provides the fire safety barrier sometimes required by building regulations to prevent any fire present in the wall cavity from spreading into the room. Use it in solid construction to define a suitable working volume for the speaker, which may need to extend beyond the boundaries of the wall frame.



Pre-mount kit
Used in new drywall construction, the PMK identifies the position of the speaker during construction and provides a guide for cutting plasterboard.

Sound

Bowers & Wilkins remains at the forefront of speaker innovation thanks to our ongoing investment in science and technology. At our Research & Development facility in Steyning, West Sussex, UK – otherwise known as the 'University of Sound' – the brightest minds in acoustics develop and test every single component of our speakers until they're the best in their class, relentlessly pursuing any sound impurities until they have nowhere left to go.

Harnessing the same Bowers & Wilkins technologies found in recording studios around the world, CI 600 Series speakers fill a room with stunning lifelike, three-dimensional sound. The result is a Series that is near invisible to the eye but infinitely pleasing to the ear.

Aramid Fibre cone
Woven fabric cones are at the heart of our Custom Installation Series speakers. Whether the material is glass fibre or Aramid Fibre, the blend of fibre, resins and cone geometry produces an incredibly well controlled cone that reduces standing waves, minimises coloration and leaves transient 'attack' unblurred. As a result the sound produced is remarkably clean, clear and dynamic.

Nautilus™ spiral diffuser
First developed for our renowned CT800 speaker system, many of our CI 600 Series speakers also utilise a Nautilus™ spiral diffuser. Having the same effect as a tapered tube, the tweeter absorbs any unwanted sonic radiation from the rear of the diaphragm which results in a more focussed, natural high frequency sound.

Die-cast drive unit chassis
Rather than using the usual pressed-steel chassis, most of the bass/midrange units used in the CI 600 Series speakers use a die-cast chassis. The extra rigidity this brings to the speaker structure means that sound reproduction is more tightly controlled. This results in a cleaner, faster bass.

Specifications

CI 600 Series In-ceiling

	CCM662	CCM663	CCM664	CCM665	CCM682	CCM683	CCM684
Description	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system
Drive Units	1x ø25mm (1in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø150mm (6in) blue Aramid Fibre cone bass/midrange	1x ø25mm (1in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø150mm (6in) blue Aramid Fibre cone bass/midrange	1x ø25mm (1in) soft dome tweeter 1x ø150mm (6in) black glassfibre cone bass/midrange	1x ø25mm (1in) soft dome tweeter 1x ø150mm (6in) black glassfibre cone bass/midrange	1x ø25mm (1in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø200mm (8in) blue Aramid Fibre cone bass/midrange	1x ø25mm (1 in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø200mm (8in) blue Aramid Fibre cone bass/midrange	1x ø25mm (1in) soft dome tweeter 1x ø200mm (8in) black glassfibre cone bass/midrange
Frequency Range (-6dB)	45Hz – 50kHz	45Hz – 50kHz	45Hz – 35kHz	45Hz – 35kHz	35Hz – 50kHz	35Hz – 50kHz	35Hz – 35kHz
Recommended Amp Power	25 – 150w	25 – 130w	25 – 130w	25 – 130w	25 – 150w	25 – 130w	25 – 130w
Sensitivity SPL (2.83V, 1m)	88dB	88dB	87dB	87dB	89dB	88dB	88dB
Impedance Nominal (min)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)
Frame diameter	240mm (9.5in)	240mm (9.5in)	240mm (9.5in)	240mm (9.5in)	290mm (11.4in) 250mm (9.8in)	290mm (11.4in) 250mm (9.8in)	290mm (11.4in) 250mm (9.8in)
Cut-out diameter	202mm (8in)	202mm (8in)	202mm (8in)	202mm (8in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)
Depth behind surface	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)
Protrusion	4mm (0.2in)	4mm (0.2 in)	4mm (0.2in)	4mm (0.2in)			

CI 600 Series In-ceiling

	CCM663SR	CCM664SR
Description	2-way dual channel	2-way dual channel
Drive Units	in-ceiling system 2x ø20mm (1in) soft dome tweeter 1x ø150mm (6in) blue Aramid Fibre cone bass/midrange	in-ceiling system 2x ø20mm (1in) soft dome tweeter 1x ø150mm (6in) black glassfibre cone bass/midrange
Frequency Range (-6dB)	48Hz – 30kHz	48Hz – 30kHz
Recommended Amp Power	25 – 80w (per channel)	25 – 80w (per channel)
Sensitivity SPL (2.83V, 1m)	83dB (per channel) 89dB (both channels driven)	82dB (per channel) 88dB (both channels driven)
Impedance Nominal (min)	8Ω (4Ω) (per channel)	8Ω (4Ω) (per channel)
Frame diameter	240mm (9.5in)	240mm (9.5in)
Cut-out diameter	202mm (8in)	202mm (8in)
Depth behind surface	133mm (5.2in)	133mm (5.2in)
Protrusion	4mm (0.2in)	4mm (0.2in)

CI 600 Series In-wall

	CWM663	CWM664	CWM652
Description	2-way in-wall system	2-way in-wall system	2-way in-wall system
Drive units	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome tweeter 1x ø150mm (6in) blue Aramid Fibre cone bass/midrange	1x ø25mm (1in) Nautilus™ tube loaded soft dome tweeter 1x ø150mm (6in) black glassfibre cone bass/midrange	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome tweeter 1x ø130mm (5in) blue Aramid Fibre cone bass/midrange
Frequency Range (-6dB)	45Hz – 50kHz	45Hz – 35kHz	54Hz – 50kHz
Maximum Amp Power	25 – 150w	25 – 130w	25 – 100w
Sensitivity SPL (2.83V, 1m)	88dB	87.5dB	86dB
Impedance Nominal (min)	8Ω (4.5Ω)	8Ω (4.5Ω)	8Ω (4.5Ω)
Frame height	315mm (12.4in)	315mm (12.4in)	264mm (10.9in)
Frame width	221mm (8.7in)	221mm (8.7in)	191mm (7.5in)
Cut-out height	279mm (11in)	279mm (11in)	228mm (9in)
Cut-out width	183mm (7.2in)	183mm (7.2in)	153mm (6in)
Depth behind surface	95mm (3.7in)	95mm (3.7in)	95mm (3.7in)
Protrusion	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)

Features overview

	Nautilus™ tweeter	Pivoting tweeter	Aramid Fibre	Midrange EQ swtich	HF EQ swtich	QuickDog™ fixings	Optional back box	Pre-mount Kit
CCM662	Swirl	■	■		-	■	BB 6C	PMK C6
CCM663	Swirl	■			-	■	BB 6C	PMK C6
CCM664	-	■	-	■	-	■	BB 6C	PMK C6
CCM665	-	-	-	-	-	■	BB 6C	PMK C6
CCM682	Swirl	■			-	■	BB 6C	PMK C8
CCM683	Swirl	■			-	■	BB 6C	PMK C8
CCM684	-	■	-	■	-	■	BB 6C	PMK C8
CCM663SR	-	-	■	-	-	■	BB 6C	PMK C6
CCM664SR	-	-	-	-	-	■	BB 6C	PMK C6
CWM652	Tube	-	■	-	■	■	BB 6W	PMK W5
CWM663	Tube	-	■	-	■	■	BB 6W	PMK W6
CWM664	Tube	-	-	-	■	■	BB 6W	PMK W6

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