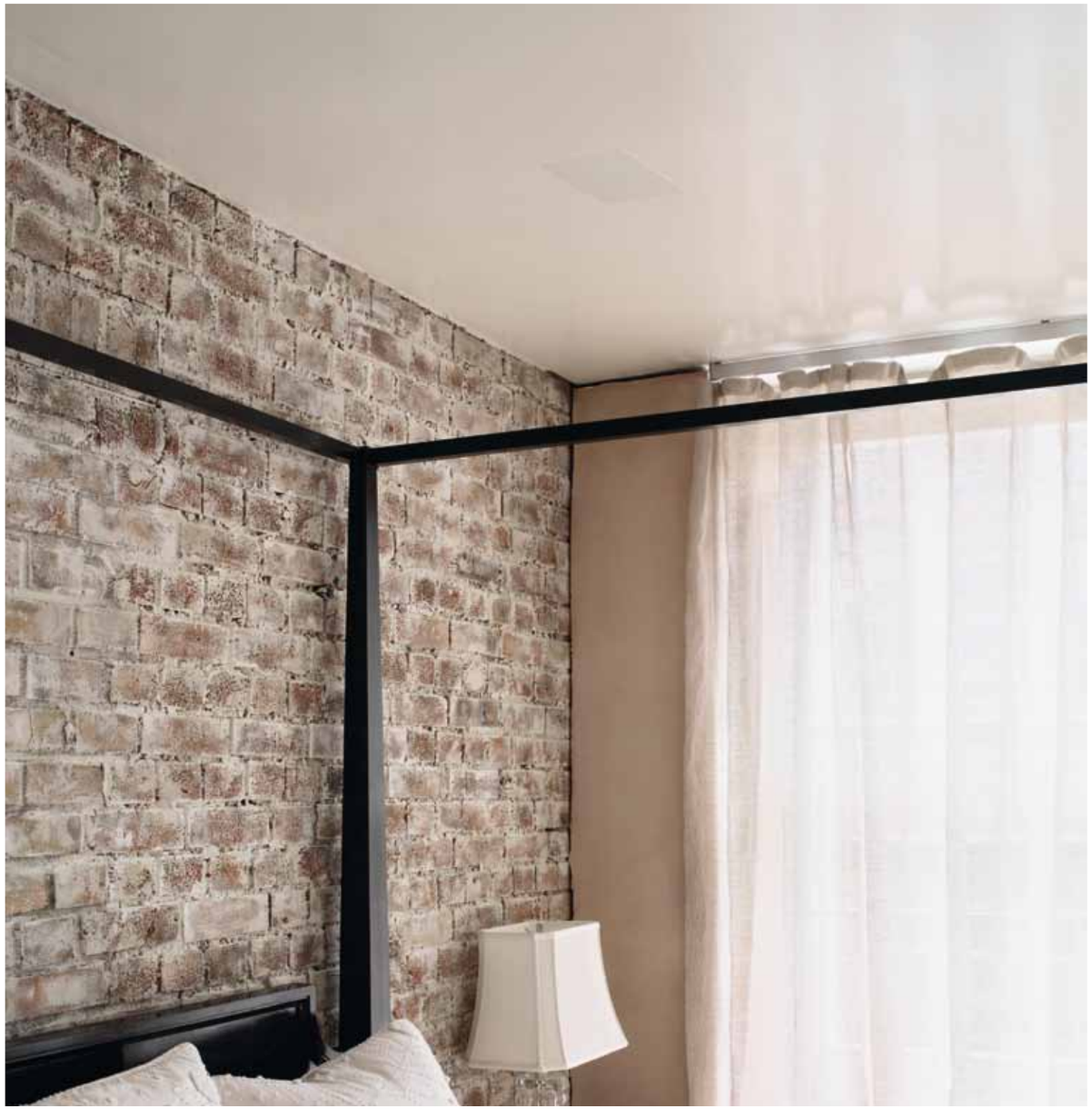
CI 600 Series

Hide the hardware, reveal the true quality of the music. From two-channel hi-fi to multi-room audio and home cinema, our Custom Installation speakers are capable of delivering sound that is, quite simply, out of sight. Each model in the Custom Installation Series is designed to be installed neatly into wall or 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, or even covered with co-ordinating fabric.

Forget cabinets, forget cables: now you can focus all your attention on the pure aesthetics of your living or work space. While our Custom Installation speakers are made to disappear from view, they produce a sound that's anything but shy and retiring. Harnessing the same Bowers & Wilkins technologies found in recording studios around the world, the speakers will fill a room with stunningly lifelike, three-dimensional sound. The result is a series that's near invisible to the eye. But infinitely pleasing to the ear.



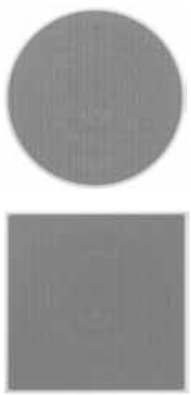
Design

While all of our customers share an uncompromising attitude to sound quality, some are keener than others to avoid the visual disruption that conventional, free-standing loudspeakers can bring to a room. And if you want to preserve the clean lines of your listening environment, you'll be glad to know that these speakers are some of the most discreet we've ever produced. For the CI 600 Series, we've introduced some clever new features that make sure your speakers are heard but not seen.

Thin bezels
No matter how carefully a custom speaker is integrated into a wall or ceiling, the protruding front cover of the speaker - the bezel - can draw attention and spoil the effect. Our CI 600 Series speakers have shallow bezels no thicker than 5mm. Once sprayed in the colour of your choice they are barely noticeable.

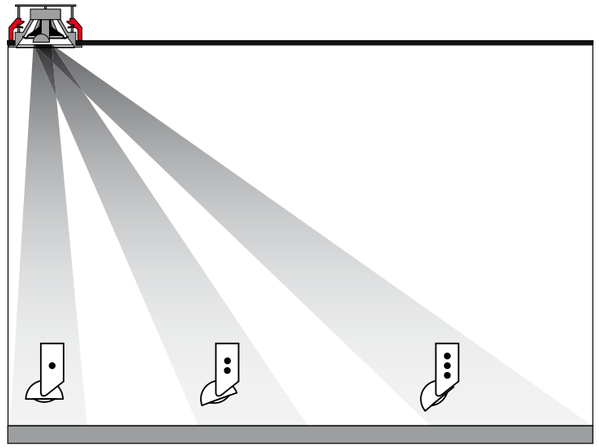
Hiding the source
To disguise the inner workings of a custom speaker, most make use of a translucent gauze behind the grille called a scrim. While the scrim does the job of hiding the drive units, it creates its own problems, masking the sound and making the grille difficult to paint. It's quite a challenge – but we've found a simple, elegant solution. Instead of using a scrim, we've made sure that nothing behind the grille stands out. Our traditional yellow Kevlar® drivers are now dark blue, and we've introduced anodised black aluminium tweeters. The result? Drive units that blend into the background, and a sound that's anything but shy and retiring.

A choice of grilles
The shape of a grille can make a big difference to how well a speaker integrates with its environment. With the CI 600 Series, each ceiling speaker comes with a choice of square or round grilles, so you can pick whichever best suits your space. Want the directionality of a circular speaker with the straight lines of a square grille? Now you can have it.



Great sound from any angle

In most custom installation set-ups, listeners will rarely stand directly underneath a speaker – This is why most Bowers & Wilkins speakers feature both a variable angle-tweeter and an EQ switch; the combination of which allows you to enjoy perfect sound no matter where your favourite seat is in the room.



Off-Axis Tweeter Optimisation

Tweeter
Almost all of the tweeters in the range can be positioned in a variety of angles. However this only solves half the problem in focussing the sound to the required area of the room.

Equalisation for improved listening experience

EQ
The majority of CI 600 speakers utilise an EQ switch to balance the angled tweeter with the bass-mid driver. The switch is conveniently located on the front of the baffle and has three positions 0°-15°-30°.

Sound

Look behind the grille of every one of our Custom Installation speakers, and you'll find advanced Bowers & Wilkins acoustic technology that is the product of nearly 50 years of intensive research and development. Our innovations can be found anywhere great sound quality matters: in recording studios, in concert halls, and now tucked discreetly into the walls of your house as part of your own Custom Installation system.

Dream weaving
Woven fabric cones are at the heart of our Custom Installation Series speakers. Whether the material is glass fibre or Kevlar®, the blend of fibre, resins and cone geometry produces an incredibly well-controlled cone that reduces standing waves, minimizes coloration and leaves transient 'attack' unblurred. The resulting sound is remarkably clean, clear and dynamic.

Nautilus™ spiral diffuser
The Nautilus™ tube is one of our most famous inventions - a horn that works in reverse by sucking unwanted sound radiation away from the back of a driver. A tube is all very well for speakers with the space to accommodate it – but what about a small ceiling-mounted speaker? For the tweeters in the CI 600 Series ceiling speakers, we've achieved the same effect by flattening the tube and twisting it into a spiral. So while the speakers are shallow enough to squeeze into the most confined spaces, the sound emanating from the front is just as focused, and just as natural.

Die-cast drive unit chassis
When it comes to bass and midrange frequencies, rock-solid construction is the key to a controlled, precise sound from a drive unit. So rather than using the usual pressed steel, we've encased the bass/midrange drivers of CI 600 Series speakers in a hardened die-cast chassis. It makes for an extra rigidity, and 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 Kevlar® cone bass/midrange	1x ø25mm (1in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø150mm (6in) blue Kevlar® 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 Kevlar® cone bass/midrange	1x ø25mm (1 in) Nautilus™ swirl loaded aluminium dome tweeter 1x ø200mm (8in) blue Kevlar® 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)	290mm (11.4in)	290mm (11.4in)
Cut-out diameter	202mm (8in)	202mm (8in)	202mm (8in)	202mm (8in)	250mm (9.8in)	250mm (9.8in)	250mm (9.8in)
Depth behind surface	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)	133mm (5.2in)
Protrusion	4mm (0.2in)	4mm (0.2 in)	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)	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 Kevlar® 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 Kevlar® 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 kevlar® 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	Kevlar® cone	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

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.

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.

Bowers & Wilkins

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