



See nothing, hear everything



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.



In pursuit of perfection



“The best loudspeaker isn’t the one that adds the most, it’s the one that loses the least.” When John Bowers said this, he set in motion a quest that has been continuing for more than 40 years: to create, as near as possible, the perfect loudspeaker.

Over the course of that journey, the innovations that Bowers & Wilkins has introduced have influenced not just the way all speakers are built, but how we listen to and appreciate music. Speakers such as the Nautilus™, with its convention-defying technologies and

cabinet design, set new standards for pure, unadulterated sound quality. We refined and adapted those technologies for the 800 Series – our flagship range and the reference speaker of choice for demanding recording studios all over the world, from Abbey Road in London to Skywalker Sound in California.

For Bowers, the pursuit of perfect sound was an all-consuming passion. It remains so to this day. We’ll stop at nothing to get you closer to music as it was intended to be heard. The quest continues.



The extraordinary clarity of Bowers & Wilkins’ flagship 800 Series has seen the speaker adopted by many of the world’s best recording studios.

With its distortion-baffling tapering tubes and spiraling cabinet enclosure, the Nautilus™ rewrote the rulebook on speaker design.



# The art of concealment

It's one thing to design and make speakers that sound fantastic – but how do you maintain the same sound quality when those speakers are boxed into walls and ceilings? Top B&W engineer Dr John Dibb discusses the tricky art of keeping things hidden.

## **What are the challenges you face when designing a new custom product, and how is the process different from conventional loudspeaker design?**

There are a number of areas where custom-installed speakers differ from free-standing designs. On the positive side, speakers are mounted flush in a ceiling or wall – what we call 2pi or pseudo-infinite baffle loading – which significantly changes the bass response and improves the low-frequency efficiency of the system. It also largely removes the diffraction effects and rear wall reflections experienced by conventional box systems.

The challenge with this type of mounting is that the volume behind the speaker can be very restricted in depth, often to no more than 100mm – this requires specialised shallow drivers. The close proximity of the effective enclosure walls can also produce strong reflections, which need to be taken into account.

This volume can also vary enormously, having a marked effect on bass response. The low frequency driver design needs to be modified to minimise these effects over a wide range of volumes. The speakers are often mounted onto plasterboard/wood or metal stud structures, which introduce variable amounts of resonant colouration.

While it's impossible to correct for this in all circumstances, we've been able to resolve many of the more common effects in the designs of our custom speakers.

## **Custom products are installed in all sorts of different and sometimes unusual locations. Do you have to make any allowances at the design stage due to the uncertainty of where a product will be located?**

This is actually less of a problem with custom installation systems than with conventional speakers. While both will be affected by the proximity of room boundaries, the flush-mounted speaker effectively removes one of the variables since its position is always fixed within a wall or ceiling plane.

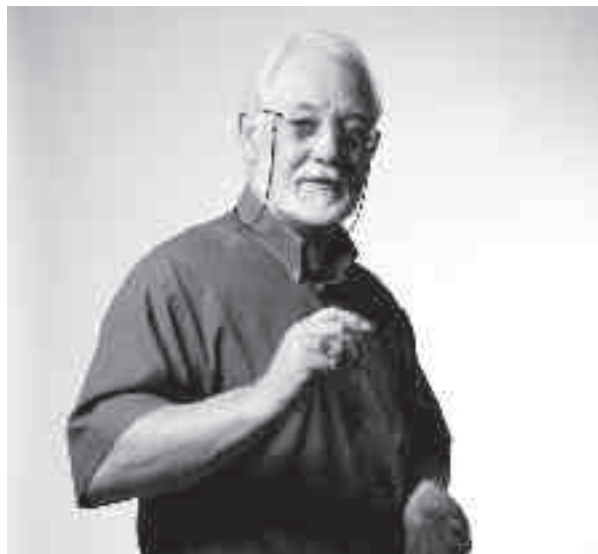
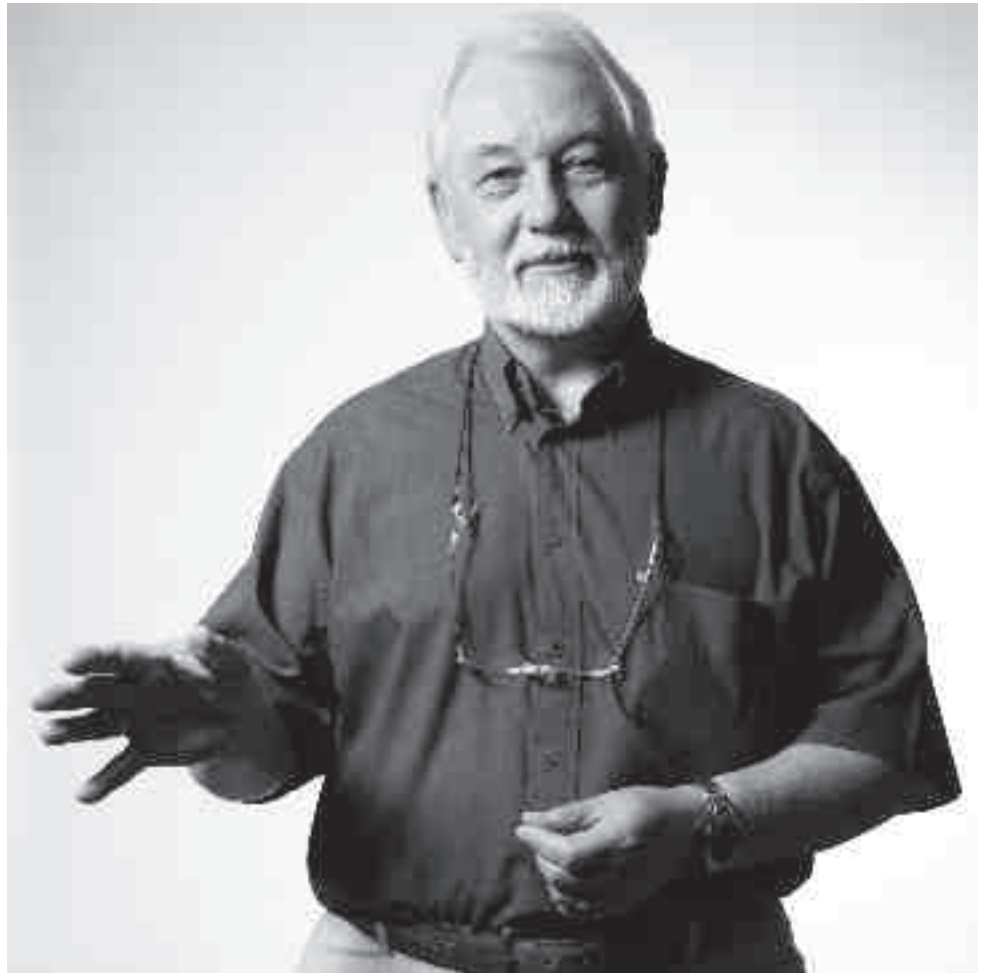
## **How difficult is it to incorporate conventional B&W technology into a product that is designed to go into a wall?**

Drivers and crossovers can benefit from all the conventional B&W technologies. It is difficult to incorporate enclosure technologies such as Matrix and curved walls into custom-fitted speakers, but we've made great steps towards achieving this with the Sig 8NT (which includes a specially braced back box). Recent developments involving micro structures suggest that future back boxes could be even better, able to compete with the best conventional cabinets.

**You designed the Signature Diamond speaker using technology derived from the 800 Series. When designing a premium in-ceiling speaker like the CCM-818, do the same principles apply?**

The Signature Diamond relies on drivers and crossover components with very low colouration and distortion, as well as cabinets shaped and reinforced to also minimise colouration and diffraction. The driver and crossover criteria can equally be applied to custom products.

Of course, that still leaves you with the challenge of the colouration associated with mounting speakers in walls and ceiling. Back boxes help a lot, and we do offer advice on ways to improve the acoustic properties of stud walls. My advice would be to work with installers who understand the principles at work here – knowing the pitfalls can really help to improve the situation acoustically.



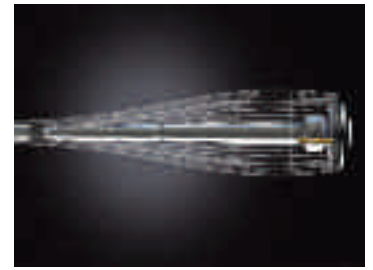
Dr John Dobb,  
senior development  
engineer at B&W

Wall-to-wall innovation





Nautilus™ tapering-tube tweeters, a standard feature of top-range B&W models such as the 800 Series, can also be found in our Custom Installation speakers.



Appearances can be deceptive. There might not be so much as a cable in sight, but this room is bursting with advanced speaker technology. Ingeniously concealed in the walls of any Custom Installation set-up you'll find B&W innovations that are the product of more than 40 years of intensive research and development.

B&W remains at the forefront of speaker innovation thanks to our ongoing investment in science and technology. At our R&D facility in Steyning, 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.

Thanks to this tradition of continual innovation, you'll find B&W-inspired technology everywhere that 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.



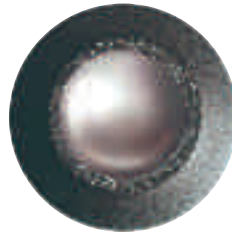
#### **Kevlar® cone**

At the heart of the Custom Installation Series are cones of woven fabric. Whether the material is glass fibre or the familiar yellow of Kevlar®, 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. The result: remarkably clean, clear and dynamic sound.



#### **FST™ midrange driver**

The FST™ (Fixed Suspension Transducer) midrange driver in our award-winning 800 Series adopted a 'surroundless' design mounted in a more open chassis structure to reduce internal reflections of sound. The result: further reductions in coloration and enhanced clarity.



#### **Anodised aluminium dome tweeter**

Anodised aluminium domes are used on most models in the Custom Installation Series, and extend the high frequency response well above the limits of human hearing. Added to a number of models is Nautilus™ tube loading. The result: sweet and precise treble sounds that bring out the life in any performance.



#### **Cast drive unit chassis**

Most of the bass/midrange drive units used in this speaker series use die-cast chassis rather than the more common pressed steel chassis. The extra rigidity this brings to the speaker structure means that sound reproduction is more tightly controlled. The result: improved bass 'speed' and 'impact'.



#### **Tapered tube tweeter**

A monumental advance in loudspeaker technology, the tapered, tube-loaded tweeter absorbs unwanted sonic radiation from the rear of the diaphragm. The result: a more focused, natural high frequency sound, and the ability to deliver the ultrasonic frequencies of new digital formats with unparalleled precision.

Living sound



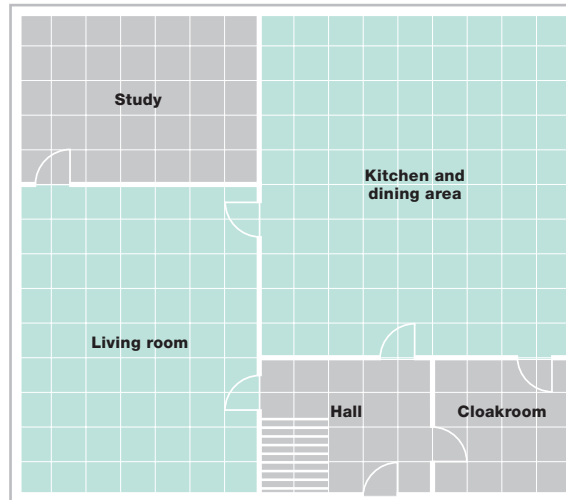
Our custom-installed speakers are equally at home bringing super audio to the interiors of superyachts and other ocean-going craft.



With speakers from Bowers & Wilkins, a custom-installed audio system can be as simple or as ambitious as you choose.

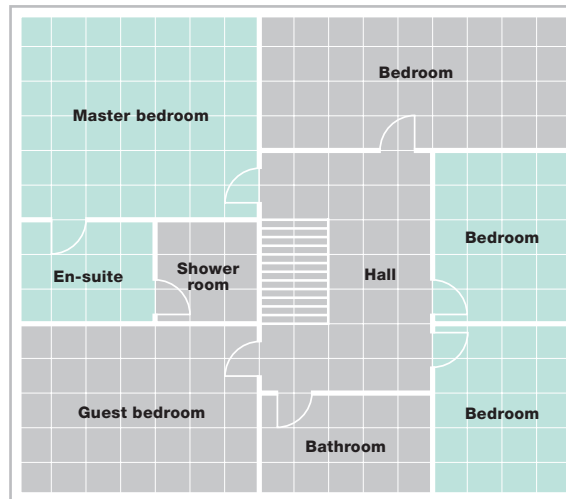
Perhaps all you want is a pair of ceiling speakers for your kitchen. Then again, you might be after a system that pipes music to other rooms in your house, creating zones of sound that suit the moods of different areas and the tastes of different people. Or how about a full surround-sound home theatre system that's all but invisible when not in use? You'll be amazed at what you can achieve.

With our Custom Installation Series, music and movies can enrich your life, but needn't intrude into it.



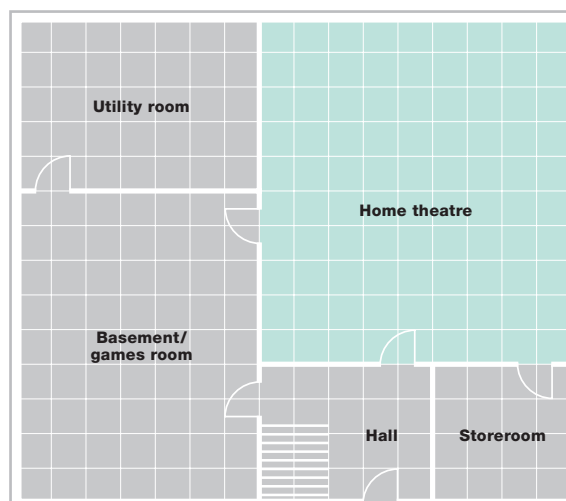
#### Start small

An entry-level system might comprise two pairs of Bowers & Wilkins in-wall speakers driven by a two-channel hi-fi system. Two pairs of near-invisible speakers are installed in the main living area and in the kitchen/dining area. The clutter of speakers, speaker stands and trailing cables that never did quite go with your décor is now gone forever.



#### Move on up

This mid-range installation matches our custom installation speakers to a multi-room audio system. The listening experience is now extended to other areas of the home. Discreet ceiling speakers in the master bedroom and En-suite add high quality sound that fits in easily with your lifestyle. Further in-wall speakers installed in the kids' bedrooms mean they can enjoy their own music, and their very own volume levels.



#### Entertain the possibilities

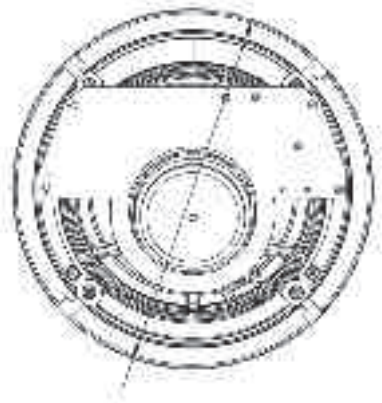
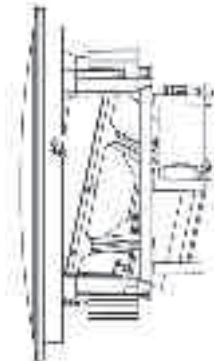
This whole-house system for the serious sound enthusiast embraces the full repertoire of audio expertise from Bowers & Wilkins. Hi-fi sound to the main living and eating areas is just for starters. The highest levels of audio performance can be enjoyed all around the home. But the real drama is experienced at the heart of the house in a state-of-the-art, multi-channel home theatre.

## In-ceiling speakers



Borrowing its punchy Kevlar® bass/midrange drive unit from B&W's legendary 800 series, the CCM818 in-ceiling speaker is as versatile as it is unobtrusive. While the speaker is designed to be flush-mounted, its eight-inch driver is fitted at an angle of 12 degrees, so it can be aimed more precisely towards the listening area. The CCM818 can be used both for home theatre or two-channel applications.

If you're searching for a convenient space to hide speakers, look upwards. Your ceiling is a ready-made cabinet: an empty space in which speakers can be installed relatively easily and with the minimum architectural disruption. With in-ceiling speakers, you can bring sound to places other speakers would struggle to reach – your kitchen, your study, even your bathroom. Combine this kind of versatility with high-end B&W technologies such as Kevlar™ cones and Nautilus™ tube-loaded tweeters, and the possibilities for hearing great sound in tight spaces are almost endless.



## In-wall speakers



The midrange and tweeter units are mounted on a rotatable sub-baffle, which enables the whole speaker to be used in either vertical or horizontal orientation without impairing horizontal dispersion – so every seat is the best seat in the house.

The Signature 8NT's Nautilus™ tube-loaded tweeter's response extends right up to 50kHz (-6dB). So if you want to hear the difference that the new high sampling frequency recording formats can make, this is the driver for you. There's no need for a separate super-tweeter.

Conventional wisdom says that compromise comes as standard with even the best in-wall speakers: the price to be paid for clean lines and uncluttered surfaces is less-than-perfect sound quality. At Bowers & Wilkins, however, we've never been good at compromise.

Our Custom Installation Series breaks all the rules for how in-wall speakers should sound. Take our Signature 8NT model for example. With its twin bass drivers, FST midrange and Nautilus™ tube-loaded tweeter, this is a true

reference-quality speaker that shares much in common with legendary freestanding B&W models such as the 800 Series. All of this technology is packed into a rock-solid back box that neutralises any sound-muddying vibrations, leaving you with a sound so vibrant, so lifelike, it'll leave you speechless.

With our Custom Installation speakers, every inch of space is put to work to create the best sound you'll ever hear from your walls. No wonder there's no room for compromise.



Free-standing B&W speakers such as the 800 Series benefit from our unique Matrix™ internal bracing system, which is used to create extreme rigidity in the cabinet. The Signature 8NT's back box builds on this experience and delivers similar sonic benefits. The back box's corrosion-free aluminium panels are fitted with bi-directional bracing and vibration damping panels. This dramatically reduces coloration from vibration and aids 3D imaging, helping the listener to hear images formed in the space between the speakers.

The powerhouse of the Nautilus™-derived Signature 8NT comprises a pair of 200mm (7 inch) bass drivers straddling a centrally mounted midrange/high frequency module. With suspensions specifically tuned to the in-wall application and rigid, resin-impregnated composite pulp/Kevlar® fibre cones, these drivers faithfully portray the most dynamic and powerful signals with ease, yet retain the agility and timing required for complex musical passages. Working in its own isolating chamber, the FST™ midrange driver with its woven Kevlar® cone is a smaller version of the driver found in our 3-way 800 Series models, renowned for its ability to retrieve the finest detail.

# Star performers

It's all around you. With great home theatre, you should feel transported, lost in the action. Nothing should distract you from the experience. With a Custom Installation home theatre set-up, nothing will.

Using speakers like the Signature 8NT – shown here in centre channel and front left and right channel roles – you can take your enjoyment of home cinema to an entirely new level. Combined with a B&W active subwoofer for ultra-low bass and special effects, you won't simply be watching a film – you'll be right in the heart of the action, experiencing everything from the loudest explosion to the subtlest pin drop in rich, spine-tingling detail.

As cinema performers, our Custom Installation speakers won't hog the limelight. But you'll certainly feel their presence.



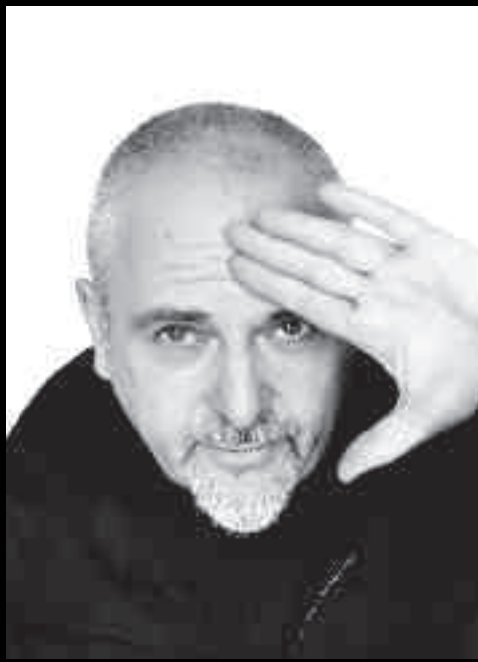




# Society of Sound

So, that's it. Or is it? At B&W, the pursuit of perfect sound continues. For over 40 years, we've been dedicated to creating a loudspeaker that neither adds nor takes away from the recorded sound. It's a passion. Thankfully, we're not alone. There are others – musicians, technicians, critics, customers – who are as dedicated as we are. And now we're coming together to share knowledge, insights and our love of sound. You can join this global network too. Come to [www.bowers-wilkins.com](http://www.bowers-wilkins.com) to find out more and to join the Society of Sound.





# Custom Installation Series



	<b>Sig 8NT</b>	<b>CWM 8180</b>	<b>CWM DS8</b>	<b>CWM LCR8</b>	<b>Sig 7NT</b>	<b>CWM LCR7</b>
Description	3-way in-wall system	3-way in-wall system	3-way dipole/2-way monopole in-wall system	2½-way in-wall speaker system	2-way in-wall system	3-way in-wall system
Drive Units	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome high-frequency 1x ø130mm (5in) FST™ woven Kevlar® cone mid 2x ø180mm (7in) paper/ Kevlar® cone bass	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome high-frequency 1x ø130mm (5in) Kevlar® cone FST™ midrange 1x ø200mm (8in) Rohacell® cone bass	3x ø25mm (1in) Nautilus™ tube loaded aluminium dome high-frequency 2x ø80mm (3in) Kevlar® cone midrange 1x ø180mm (7in) Kevlar® cone bass/midrange	1x ø25mm (1in) Nautilus™ tube-loaded aluminium dome high-frequency 2x ø130mm (5in) woven Kevlar® cone bass/midrange 2x ø130mm (5in) aluminium cone bass	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome high-frequency 1x ø180mm (7in) Kevlar® cone bass/midrange	1x ø25mm (1in) Nautilus™ tube loaded aluminium dome high-frequency 3x ø100mm (4in) mica cone bass 1x ø100mm (4in) Kevlar® cone bass/midrange
Frequency Range (-6dB)	28Hz and 50kHz	35Hz and 50kHz	40Hz and 50kHz(monopole) 40Hz and 18kHz(dipole)	35Hz and 50kHz	35Hz and 50kHz	54Hz and 30kHz
Maximum Amp Power	200W	150W	150W	150W	150W	150W
Sensitivity spl (2.83V, 1m)	90dB	89dB	88dB	91dB	88dB	85dB
Impedance Nominal (min)	8Ω (3.6Ω)	8Ω (5.0Ω)	8Ω (3.3Ω)	8Ω (4.5Ω)	8Ω (3.6Ω)	8Ω (3.6Ω)
Frame height	830mm (32.7in)	524mm (20.6in)	524mm (20.6in)	708mm (27.9in)	371mm (14.6in)	625mm (24.6in)
Frame width	258mm (10.2in)	294mm (11.6in)	294mm (11.6in)	219mm (8.6in)	255mm (10in)	175mm (6.9in)
Cut-out height	796mm (31.4in)	485mm (19.1in)	485mm (19.1in)	668mm (26.3in)	337mm (13.3in)	600mm (23.6in)
Cut-out width	226mm (8.9in)	255mm (10in)	255mm (10in)	180mm (7.1in)	220mm (8.7in)	150mm (5.9in)
Depth behind surface	99mm (3.9in)	92mm (3.6in)	87mm (3.4in)	89mm (3.5in)	98mm (3.8in)	97mm (3.8in)
Protrusion	5mm (0.2in)	21mm (0.8in)	21mm (0.8in)	5mm (0.2in)	3mm (0.1in)	3.5mm (0.1in)
Weight	10kg (22lb)	8.3kg (18.2lb)	5.7kg (12.5lb)	8.0kg (17.6lb)	3.0kg (6.6lb)	4.2kg (9.3lb)



	<b>CCM818</b>	<b>CCM817</b>	<b>CCM80</b>	<b>CCM65</b>	<b>CCM50</b>	<b>CCM746S</b>	<b>CCM628</b>
Description	2-way in-ceiling/wall speaker system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way in-ceiling system	2-way dual channel in-ceiling system	2-way in-ceiling system
Drive Units	1x ø25mm (1in) Nautilus™ tube-loaded aluminium dome high-frequency 1x ø200mm (8in) woven Kevlar® cone bass/midrange	1x ø25mm (1in) Nautilus™ tube-loaded aluminium dome high-frequency 1x ø180mm (7in) Kevlar® cone bass/midrange	1x ø25mm (1in) aluminium dome, adjustable high-frequency angle 1x ø200mm (8in) Kevlar® cone bass/midrange	1x ø25mm (1in) aluminium dome, adjustable high-frequency angle 1x ø165mm (6.5in) Kevlar® cone bass/midrange	1x ø25mm (1in) Ultra 12 high-frequency 1x ø130mm (5in) Kevlar® cone bass/midrange	2x ø25mm (1in) aluminium dome high-frequency 1x ø165mm (6.5in) Kevlar® cone bass/midrange	1x ø25mm (1in) textile dome, adjustable high-frequency angle 1x ø200mm (8in) glassfibre cone bass/midrange
Frequency Range (-6dB)	35Hz and 50kHz	35Hz and 50kHz	35Hz and 30kHz	45Hz and 30kHz	50Hz and 22kHz	40Hz and 22kHz	35Hz and 30kHz
Maximum Amp Power	150W	150W	150W	130W	100W	130W	150W
Sensitivity spl (2.83V, 1m)	90dB	89dB	90dB	89dB	88dB	86dB	90dB
Impedance Nominal (min)	8Ω (3.5Ω)	8Ω (3.5Ω)	8Ω (3.0Ω)	8Ω (3.0Ω)	8Ω (3.0Ω)	8Ω (3.0Ω)	8Ω (3.0Ω)
Frame diameter	280mm (11in)	271mm (10.7in)	280mm (11in)	232mm (9.1in)	201mm (7.9in)	232mm (9.1in)	280mm (11in)
Cut-out diameter	254mm (10in)	234mm (9.2in)	254mm (10in)	205mm (8.1in)	175mm (6.9in)	205mm (8.1in)	254mm (10in)
Depth behind surface	136mm (5.4in)	102mm (4in)	100mm (4in)	95mm (3.7in)	80mm (3.1in)	101mm (4in)	109mm (4.3in)
Protrusion	14mm (0.6in)	63mm (2.5in)	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)	4mm (0.2in)
Weight	2.6kg (5.7lb)	2.6kg (5.7lb)	2.2kg (4.8lb)	1.8kg (4.1lb)	1.5kg (3.4lb)	1.6kg (3.5lb)	1.7kg (3.8lb)

**CWM800**

2-way in-wall system

1x ø25mm (1in) aluminium dome high-frequency  
1x ø200mm (8in) Kevlar® cone bass/midrange

35Hz and 30kHz

150W

89dB

8Ω (3.0Ω)

371mm (14.6in)

225mm (10in)

337mm (13.3in)

220mm (8.7in)

95mm (3.7in)

3mm (0.1in)

2.9kg (6.3lb)

**CWM650**

2-way in-wall system

1x ø25mm (1in) aluminium dome high-frequency  
1x ø165mm (6.5in) Kevlar® bass/midrange

45Hz and 30kHz

130W

89dB

8Ω (3.0Ω)

310mm (12.2in)

216mm (8.5in)

281mm (11.1in)

186mm (7.3in)

85mm (3.3in)

3mm (0.1in)

2.4kg (5.3lb)

**CWM500**

2-way in-wall system

1x ø25mm (1in) Ultra 12 tweeter  
1x ø130mm (5in) Kevlar® cone bass/midrange

50Hz and 22kHz

100W

88dB

8Ω (3.0Ω)

228mm (9in)

175mm (6.9in)

212mm (8.3in)

156mm (6.1in)

85mm (3.3in)

3mm (0.1in)

1.4kg (3.1lb)

**CWM6260**

2-way in-wall system

1x ø25mm (1in) textile dome tweeter  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 30kHz

130W

89dB

8Ω (3.6Ω)

310mm (12.2in)

216mm (8.5in)

281mm (11.1in)

186mm (7.3in)

93mm (3.7in)

3mm (0.1in)

2.9kg (6.4lb)

**CWM6160**

2-way in-wall system

1x ø25mm (1in) Ultra 12 tweeter  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 22kHz

130W

89dB

8Ω (3.6Ω)

310mm (12.2in)

216mm (8.5in)

281mm (11.1in)

186mm (7.3in)

89mm (3.5in)

3mm (0.1in)

1.6kg (3.5lb)

**CWM Cinema**

2-way magnetically shielded in-wall system

1x ø25mm (1in) aluminium dome high-frequency  
2x ø130mm (5in) Kevlar® cone bass/midrange

50Hz and 30kHz

150W

91dB

8Ω (3.6Ω)

255mm (10in)

371mm (14.6in)

220mm (8.7in)

337mm (13.3in)

85mm (3.4in)

3mm (0.1in)

3.7kg (8.2lb)

**CWM Cinema 6**

2-way in-wall speaker system

1x ø25mm (1in) tube-loaded softdome high-frequency  
2x ø160mm (6in) woven glassfibre cone bass/midrange

50Hz and 30kHz

150W

92dB

8Ω (5.0Ω)

255mm (10.1in)

370mm (14.6in)

217mm (8.5in)

332mm (13in)

90mm (3.6in)

8mm (0.3in)

2.9 kg (6.4lb)

**CDS3**

2-way in-wall dipole/monopole surround system

1x ø25mm (1in) aluminium dome high-frequency  
2x ø80mm (3in) paper cone midrange/  
high frequency  
1x ø130mm (5in) Kevlar® cone bass/midrange

63Hz and 42kHz (monopole) or 15kHz (dipole)

100W

89dB

8Ω (3.3Ω)

285mm (11.2in)

373mm (14.7in)

247mm (9.8in)

335mm (13.2in)

89.5mm (3.5in)

71mm (2.8in)

3.9kg (8.6lb)

**CCM618**

2-way in-ceiling system

1x ø25mm (1in) Ultra 12, adjustable high-frequency angle  
1x ø200mm (8in) glassfibre cone bass/midrange

35Hz and 22kHz

150W

90dB

8Ω (3.1Ω)

280mm (11in)

254mm (10in)

109mm (4.3in)

4mm (0.2in)

1.7kg (3.8lb)

**CCM636**

2-way in-ceiling system

1x ø25mm (1in) textile dome, adjustable high-frequency angle  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 30kHz

130W

89dB

8Ω (3.0Ω)

232mm (9.1in)

205mm (8.1in)

103mm (4.1in)

4mm (0.2in)

1.5kg (3.3lb)

**CCM626**

2-way in-ceiling system

1x ø25mm (1in) Ultra 12, adjustable high-frequency angle  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 22kHz

130W

89dB

8Ω (3.1Ω)

232mm (9.1in)

205mm (8.1in)

103mm (4.1in)

4mm (0.2in)

1.5kg (3.3lb)

**CCM616**

2-way in-ceiling system

1x ø25mm (1in) Ultra 12 high-frequency  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 22kHz

130W

89dB

8Ω (3.6Ω)

232mm (9.1in)

205mm (8.1in)

103mm (4.1in)

4mm (0.2in)

1.4kg (3lb)

**CCM646S**

2-way dual channel in-ceiling system

2x ø25mm (1in) Ultra 12 high-frequency  
1x ø165mm (6.5in) glassfibre cone bass/midrange

40Hz and 22kHz

130W

86dB

8Ω (3.6Ω)

232mm (9.1in)

205mm (8.1in)

103mm (4.1in)

4mm (0.2in)

1.7kg (3.8lb)

# Installation

All speakers in the Custom Installation Series have been designed for optimum sound reproduction when installed in most types of solid or plasterboard constructions. For further information please consult an authorised B&W custom installer.



## **Pre-mount kit**

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



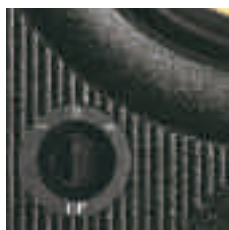
## **Swing out dog fixings**

Swing out dogs provide a quick and effective method of securing the speaker to plasterboard. Initially stowed inboard of the wall frame, the dogs, or cantilever clamps, swing out behind the plasterboard on first turning the fixing screws. Further turning draws the dogs forward so the plasterboard is securely clamped between them and the flange of the wall frame.



## **Pivoting/tilting tweeter**

It is not always possible to position the speakers for best coverage of the listening area. High frequencies in particular tend to have a narrower spread than low frequencies. The ability to angle the tweeter so that it points towards the listeners maintains the correct sound balance while allowing more flexibility in the installation. In certain models the tweeter housing angles for adjustable off-axis treble response.



## **EQ switch**

If you need to put speakers behind an acoustically transparent screen, or perhaps completely hide them behind a light decorative fabric, you will inevitably lose some high frequency energy. In those or other cases where the room acoustics are less than ideal, it is useful to be able to adjust the high frequency level of the speaker to restore the correct balance.

# Key audio and installation features overview

	Angled baffle	Nautilus™ Tweeter	Kevlar® cone	Magnetic shielding	Rotating MF/HF module	Pivoting Tweeter	EQ switch	Swing out dog fixings	Optional back box	Pre-mount kit
<b>Signature 8NT</b>	-	■	■	-	■	-	-	-	BB Sig 8NT	PMK 8NT
<b>CWM 8180</b>	-	■	■	-	■	-	-	■	BB DS8/8180	PMK DS8/8180
<b>CWM DS8</b>	■	■	■	-	-	-	-	■	BB DS8/8180	PMK DS8/8180
<b>CWM LCR8</b>	-	■	■	-	-	-	-	■	BB LCR8	PMK LCR8
<b>Signature 7NT</b>	-	■	■	-	-	-	3-pos	■	BBW8	PMK W8
<b>CWM LCR7</b>	-	■	■	-	-	-	-	■	BB LCR7	PMK LCR7
<b>CWM 800</b>	-	-	■	-	-	-	3-pos	■	BBW8	PMK W8
<b>CWM 650</b>	-	-	■	-	-	-	3-pos	■	BBW6	PMK W6
<b>CWM 500</b>	-	-	■	-	-	-	2-pos	■	-	PMK W500
<b>CWM 6260</b>	-	■	-	-	-	-	3-pos	■	BBW6	PMK W6
<b>CWM 6160</b>	-	-	-	-	-	-	-	■	BBW6	PMK W6
<b>CWM Cinema</b>	-	-	■	■	-	-	3-pos	■	BBW8	PMK W8
<b>CWM Cinema 6</b>	-	■	-	-	-	-	-	■	BBW8	PMK W8
<b>CDS3</b>	-	■	■	-	-	-	-	■	-	PMK CDS3
<b>CCM 818</b>	■	■	■	-	-	-	-	■	BBC8	PMK C8
<b>CCM 817</b>	■	■	■	-	-	-	-	■	BB817	PMK 817
<b>CCM 80</b>	-	-	■	-	-	■	3-pos	■	BBC8	PMK C8
<b>CCM 65</b>	-	-	■	-	-	■	3-pos	■	BBC6	PMK C6
<b>CCM 50</b>	-	-	■	-	-	-	2-pos	■	-	PMK C50
<b>CCM 746S</b>	-	-	■	-	-	-	3-pos	■	BBC6	PMK C6
<b>CCM 628</b>	-	-	-	-	-	■	3-pos	■	BBC8	PMK C8
<b>CCM 618</b>	-	-	-	-	-	■	3-pos	■	BBC8	PMK C8
<b>CCM 636</b>	-	-	-	-	-	■	3-pos	■	BBC6	PMK C6
<b>CCM 626</b>	-	-	-	-	-	■	3-pos	■	BBC6	PMK C6
<b>CCM 616</b>	-	-	-	-	-	-	-	■	BBC6	PMK C6
<b>CCM 646S</b>	-	-	-	-	-	-	3-pos	■	BBC6	PMK C6

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