



## See nothing, hear everything

Room acoustics, programme material and personal preference all influence the choice between dipole and conventional surround speakers so the decision is sometimes a compromise. The CWM DS8 puts an end to compromise by providing both options at the push of a remote control handset button. The CWM DS8 achieves its versatility by incorporating two midrange and tweeter driver arrays with a shared bass driver. In conventional mode the system is configured in 2-way format with a 180mm Kevlar® bass/midrange driver and 25mm Nautilus™ tube loaded aluminium dome tweeter. In dipole mode the system is configured in dual 3-way format with two separate 80mm Kevlar® midrange and 25mm Nautilus™ tube loaded aluminium dome tweeter arrays sharing the same bass driver.

## Technical Specification

<b>Technical features</b>	<b>12v Trigger switchable dipole/monopole in-wall system</b> <b>Woven Kevlar® midrange driver</b> <b>Nautilus™ tube-loaded tweeter</b>
<b>Description</b>	3-way dipole/2-way monopole in-wall system
<b>Drive units</b>	3x ø25mm (1 in) Nautilus™ tube loaded aluminium dome tweeter 2x ø80mm (3 in) woven Kevlar® cone midrange 1x ø180mm (7 in) Kevlar® cone bass/midrange
<b>Frequency range</b>	-6dB at 40Hz and 50kHz (monopole) -6dB at 40Hz and 18 kHz (dipole)
<b>Frequency response</b>	45Hz-22kHz ±3dB on reference axis (monopole) 45Hz-15kHz ±3dB on reference axis (dipole)
<b>Sensitivity</b>	88dB spl (2.83V, 1m)
<b>Nominal impedance</b>	8Ω (minimum 5.0Ω)
<b>Crossover frequency</b>	3.5kHz (monopole) 250Hz, 4kHz (dipole)
<b>Recommended amplifier power</b>	150W into 8Ω on unclipped programme
<b>Frame size</b>	524mm (20.6 in) x 294mm (11.6 in)
<b>Cut-out size</b>	485mm (19.1 in) x 255mm (10 in)
<b>Min depth req</b>	87mm (3.4 in) behind mounting surface
<b>Net weight</b>	5.7 kg (12.5lb)
<b>Finish</b>	Semi-matt white suitable for customising or pre-painting
<b>Accessories</b>	Pre-mount kit for new construction (PMK DS8/8180) Back Box (BB DS8/8180)



# CWM DS8

## Architectural and Engineering Specifications

The loudspeaker system shall be of the mono-amped 2-way monopole/3-way dipole selectable type comprising of a single flush mountable rectangular enclosure with protruding frontage containing one 7in bass driver with Kevlar cone and one 1in tube loaded aluminium dome tweeter for monopole usage and two 3in midrange and two 1in tube loaded aluminium dome tweeters side firing drive units for dipole mode.

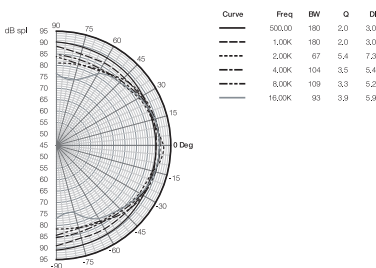
Performance specifications of a typical production unit shall meet or exceed the following:

Frequency response shall be 45 – 22kHz in monopole, 45Hz – 15kHz in dipole mode. Nominal impedance shall be 8 Ohm. Total power handling shall be 150W continuous into 8 Ohm on unclipped programme. Sensitivity measured with 2.83V at 1-metre distance on axis, mean averaged between 45 – 22kHz shall be 88dB.

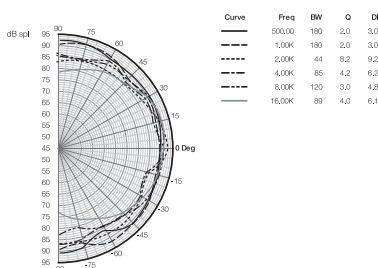
External dimensions shall be 524mm (20.6in) height x 294mm (11.6in) width x 108mm (4.2in). Total weight shall be 5.7kg (12.5lb).

The loudspeaker system shall be the B&W DS8. No other system shall be acceptable unless the above combined performance are equalled or exceeded.

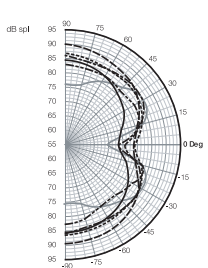
### Monopole Polar Response Horizontal



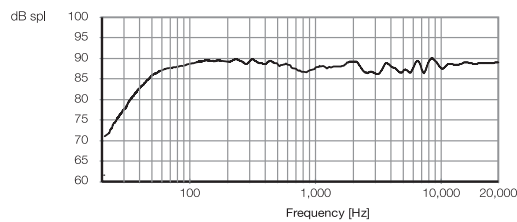
### Monopole Polar Response Vertical



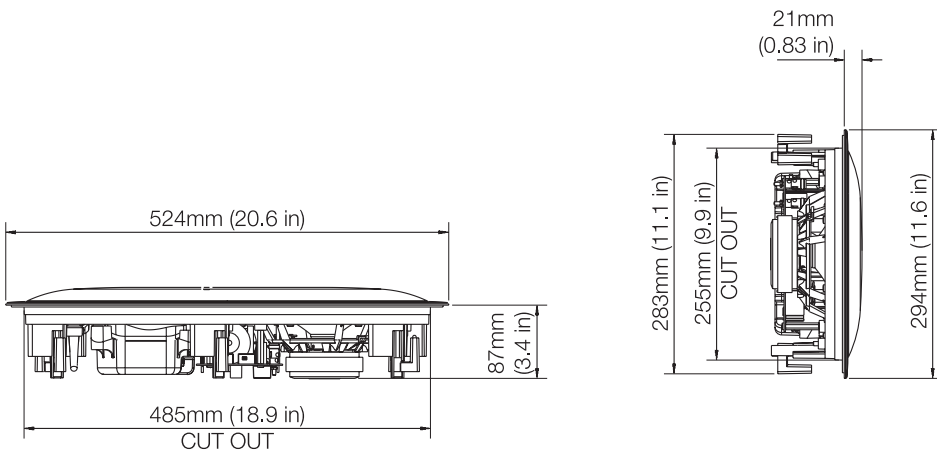
### Dipole Polar Response Horizontal



### Frequency Response



### Dimensions



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