

CDD6 Ultra-Compact Coaxial Differential Dispersion System

Features

- Ultra-compact, CDD[™] passive two-way system
- Coaxial Differential Dispersion[™] technology
- Elegant UPM Formi composite enclosure
- User-rotatable coaxial drive unit
- Vertical and horizontal mounting options
- Screw-free perforated steel grille
- 8Ω nominal impedance
- Discreet mounting accessories
- Black or white standard colour options

Applications

- Bars and restaurants
- Museums and AV spaces
- Convention centres
- Hotels
- Retail outlets
- Leisure centres
- Houses of Worship

The ultra-compact CDD6 is a two-way passive loudspeaker system designed to fulfil the requirement for full-frequency dynamic performance from a very small enclosure. Featuring a 6.5" (165mm) LF/1" (25mm) HF Coaxial Differential Dispersion driver, its extremely small size and sleek lines make it ideal for visibly-unobtrusive applications. It can also be used as a fill system in conjunction with larger CDD Series models and, with the addition of a CSX subwoofer, can reproduce surprisingly high levels of music program.

The Coaxial Differential Dispersion technology employed in the CDD6 delivers more consistent audience coverage than systems with fixed X° x Y° coverage patterns — projecting relatively more output to the rear of the audience, while having wide horizontal coverage close-up. Its innovative CDD driver achieves 'point source' summation of the LF and HF sections — eliminating off-axis variations in frequency response associated with non-coaxial designs. Improving on conventional coaxial designs, which can suffer from high-frequency beaming, the driver features a static waveguide that merges seamlessly with the unique cone shape — maintaining the dispersion pattern out to very high frequencies.



The visually-distinctive enclosure can be used in either horizontal (landscape) or vertical (portrait) orientation, with rotation of the driver easily accomplished by removing the screw-free, protective grille. The curved shape of the enclosure allows it to be surface-mounted close to a wall or ceiling by means of optional wall and ceiling brackets.

Finished in black (RAL9005) or white (RAL9016) as standard, the CDD6 can be supplied in any RAL colour to order.

A full-range, passive two-way system, the CDD6 should be used with a compatible controller with appropriate limiter settings to provide system protection. The EQ and limiter functions of a controller such as the Martin Audio DX0.5, DX1.5 or DX2, or a Martin Audio amplifier with onboard DSP will maximise its capabilities. When used with a CSX subwoofer, crossover and EQ functions can either be performed by the DX0.5, DX1.5 and DX2 system controllers, or by an MA Series amplifier with onboard DSP option.

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COAXIAL DIFFERENTIAL DISPERSION SERIES



Technical Specifications

Acoustical

| TYPE | Ultra-compact, Coaxial Differential Dispersion passive |
|------------------------|--|
| | two-way system |
| FREQUENCY RESPONSE (5) | 80Hz-20kHz ± 3dB, -10dB @ 70Hz |
| DRIVER | LF: 6.5" (165mm)/1.5" (38mm) voice coil, long excursion, |
| | ferrite motor system |
| | HF: 1" (25mm) voice coil, fabric dome with neodymium |
| | motor system |
| RATED POWER (2) | 150W AES, 600W peak |
| RECOMMENDED AMPLIFIER | MA2.8Q, MA2.0 |
| SENSITIVITY (8) | 91dB |
| MAXIMUM SPL (9) | 113dB continuous, 119dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 110°-80° horizontal, 80° vertical (user-rotatable) |
| CROSSOVER | 2.5kHz passive |
| ENCLOSURE | 9 litre, composite material |
| FINISH | Black or white textured paint |
| PROTECTIVE GRILLE | Black or white perforated steel with scrim cloth backing |
| CONNECTORS | Low profile 13A push-lock |
| PIN CONNECTIONS | Left to right: Input+, Input -, Link -, Link + |
| FITTINGS | 4 x M6 inserts for wall/ceiling brackets |
| DIMENSIONS | (W) 210mm x (H) 325mm x (D) 210mm |
| | (W) 8.3ins x (H) 12.8ins x (D) 8.3ins |
| WEIGHT | 5.69kg (12.54lbs) |
| ACCESSORIES | CDDWB6/8B wall bracket black |
| | CDDWB6/8W wall bracket white |
| | CDDCB6/8B ceiling bracket black |
| | CDDCB6/8W ceiling bracket white |

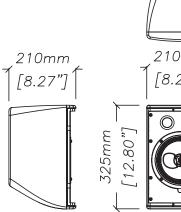
- Notes

 Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
 AES Standard ANSI S4.26-1984.
 Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
 Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
 Measured in open (4pi) space at 2 metres, then referred to 1 metre.
 Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
 Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
 Measured in open (4pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.
 Calculated at 1 metre.
 Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.

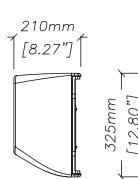
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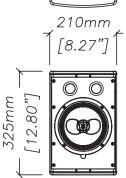
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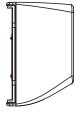
Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Au-dio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

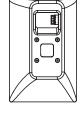














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