

CDD8-WR

Ultra-compact Coaxial Differential Dispersion System - Weatherised

Features

- Ultra-compact, CDD™ passive two-way system
- Coaxial Differential Dispersion™ technology
- Elegant UPM Formi composite enclosure
- Outdoor operation when sheltered from direct exposure to elements
- Operating temperature -20°C to +70°C
- Environmentally tested to meet IP54
- User-rotatable coaxial drive unit
- Vertical and horizontal mounting options
- Screw-free water and particle resistant grille
- 8Ω nominal impedance
- Discreet weatherised mounting accessories
- Black or white standard colour options



Applications

- Outdoor restaurants, bars, hotel areas
- Nearfield systems in outdoor stadia, transport hubs, concourses and theme parks

The CDD8-WR is a weatherised ultra-compact two-way passive loudspeaker system suitable for outdoor applications where it will be subject to changing environmental conditions, but sheltered from direct exposure to the elements. It features an integrated 8" (200mm) LF/1" (25mm) exit HF Coaxial Differential Dispersion driver which can be easily rotated for horizontal or vertical orientation depending on venue design requirements. Its small size gives no indication of its high output capability. As a stand-alone loudspeaker, it has a multitude of applications and can also be incorporated as an infill loudspeaker in distributed systems using larger CDD models, such as the CDD12-WR and CDD15-WR.

The Coaxial Differential Dispersion technology employed in the CDD8-WR 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 weatherised brackets.

CDD8-WR features a water and particle resistant grille made from zinc plated mild steel with powder coated finish and is suitable for operating temperatures between -20°C to +70°C and environmentally tested to meet IP54.

Finished in black (RAL9005) or white (RAL9016) as standard, with any RAL colour to order.

A full-range, passive two-way system, the CDD8-WR should be used with a compatible controller with appropriate limiter settings to provide system protection.

When used with the DX4.0 controller or an iKON amplifier, there are now enhanced DSP and FIR based pre-sets to deliver the absolute maximum performance and fidelity while limiter settings protect the integrity of the system.

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Technical Specifications

Acoustical

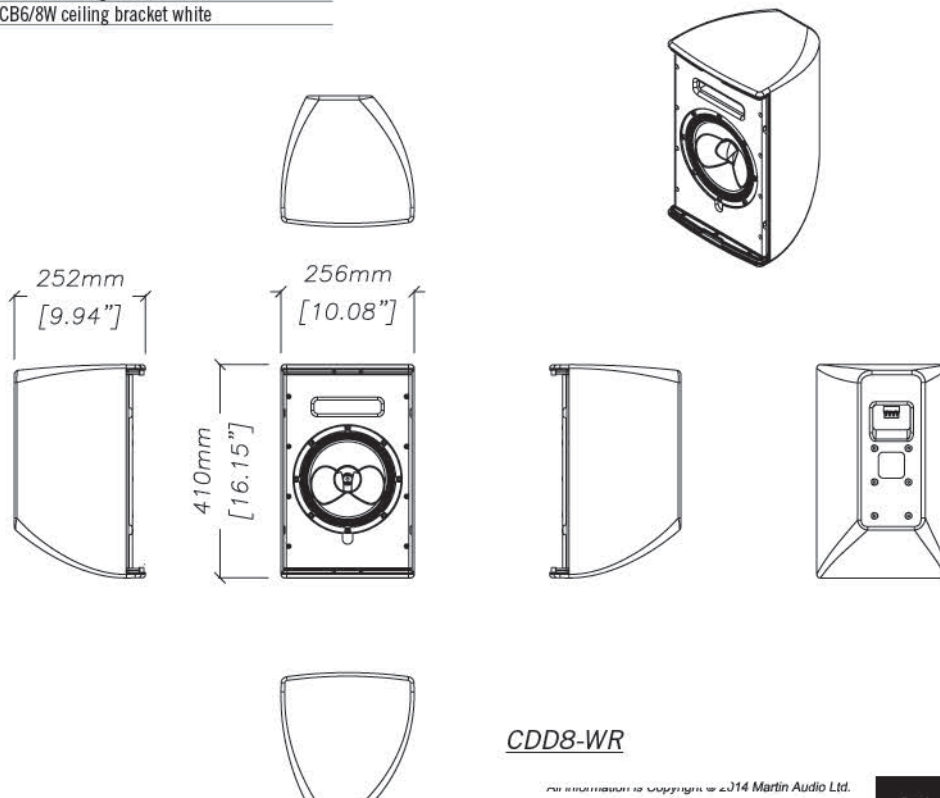
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|------------------------|--|
| TYPE | Ultra-compact, Coaxial Differential Dispersion passive two-way system |
| FREQUENCY RESPONSE (5) | 70Hz-20kHz \pm 3dB -10dB @ 55Hz |
| DRIVER | LF: 8" (200mm)/2" (50mm) voice coil, long excursion, shared ferrite motor system with HF HF: 1" (25mm) exit/1.4" (38mm) voice coil, polyimide dome compression driver |
| RATED POWER (2) | 200W AES, 800W peak |
| RECOMMENDED AMPLIFIER | iK81, VIA2502, VIA2004 |
| SENSITIVITY (8) | 94dB |
| MAXIMUM SPL (9) | 117dB continuous, 123dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 110°-80° horizontal, 60° vertical (user-rotatable) |
| CROSSOVER | 2.3kHz passive |
| ENCLOSURE | 14 litre, composite material |
| FINISH | Black or white as standard |
| PROTECTIVE GRILLE | Zinc plated mild steel with powder coated finish and weatherised backing |
| ENVIRONMENTAL | Rated at IP54 |
| CONNECTORS | Low profile 13A push-lock, weatherproof input panel cover with cable gland |
| PIN CONNECTIONS | Left to right: Input+, Input -, Link -, Link + |
| FITTINGS | 6 x M6 inserts for wall/ceiling brackets |
| DIMENSIONS | (W) 256mm x (H) 410mm x (D) 252mm (W) 10.1ins x (H) 16.1ins x (D) 9.9ins |
| WEIGHT | 9.8kg (21.6lbs) |
| ACCESSORIES | CDDWB6/8B wall bracket black CDDWB6/8W wall bracket white CDDCB6/8B ceiling bracket black CDDCB6/8W ceiling bracket white |

Notes

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

Trade Descriptions Act

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 Audio 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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