



# CCL System

Compact cardioid line array

# We are d&b audiotechnik

Made in Germany, used all over the world. d&b audiotechnik sound systems are the global standard in performance.

Holistic thinking, combining workflow, support, education and design are seamlessly combined to enable your vision. From vast to intimate.

Welcome to d&b.

"I have often seen d&b on tour riders and now I understand why. I'm proud to be able to communicate what we have with other audio professionals because we all trust the d&b audio sound system to do what is promised. It's a warm lovely room and we've finally found a solution to highlight its full glory."

**Kate William**  
Omaha Performing Arts Centre

"We worked with d&b throughout the project. HERE is a prestigious new venue, and the strength at Clair Global group is the people. It's important to us that for every project we assemble a team of specialists that can really deliver the best possible results. d&b were a part of that team for HERE and the support they provided was excellent – every step of the way."

**Tom Williams**  
Clair Global Integration



# A flagship solution for focused spaces

Introducing the CCL System. The first member of the CL-Series, a cardioid system unique among compact line arrays.

Our mission was to equip the CCL System with meaningful features for those managing smaller venues and events: Broadband directivity control with low frequency cardioid behaviour, using an innovative new passive design.

A giant leap forward in a system that's just the right size.

## CCL System features

- A newly revised and patented cardioid principle
- 2-way passive design to reduce system infrastructure complexity
- Unique transducer configuration for unmatched acoustic performance and HF headroom (2 x 7" 2 x 5", 2 x 1.7")
- Compact and light (593x209x355 mm/ 18 kg) for seamless installations and minimal logistic and implementation efforts
- The industry standard and trusted d&b rigging and system management workflow.

## CCL-SUB

A dedicated flyable subwoofer available in both install and mobile versions. A new patented passive cardioid design features a front 15" and a rear 10" driver configuration. New bass reflex and bandpass ports significantly reduce noise at very high sound pressure levels.



CCL8 loudspeaker



CCL subwoofer

## Amplifiers

The CCL System can be paired with a range of d&b amplifiers, including the 40D, D40, D80, and D90. These can power up to 8 CCL cabinets or 8 CL-SUBS or any combination of both to maximum output, without restrictions, under any load conditions. Settings are also available for the 30D and D20 amplifiers.



D90 amplifier

D40 amplifier

## CCL System highlights

- Install and mobile variants (CCLi/CCL)
- 80° and 120° horizontal dispersion variants
- Refreshed touring cart design, refined through customer feedback
- All-in-one master flying frame with components intelligently integrated for efficiency
- Custom solutions to satisfy unique requirements.

## Benefits of cardioid directivity

- **Clearer sound:** Less low frequency sound bouncing off the side and rear walls means a more focused listening experience.
- **Quieter stages:** Improves performance experience for artists and working environment technical crews.
- **Reduced feedback:** Cardioid system behaviour helps prevent microphones on stage from picking up unwanted sound.
- **Improved intelligibility:** Speech and vocals are easier to understand. Focused sound towards the audience, and away from residential neighbours and other stages.
- **Enhanced audience experience:** Delivering sound directly to the audience creates a more immersive and enjoyable listening experience.

## There is more to customization than color

Whenever a project cannot be realized with the standard product portfolio, the d&b Custom solutions team is on hand to help.

Committed to satisfying unique requirements, Custom solutions develops special construction, weatherization, and aesthetic features for d&b loudspeakers to meet particular demands.

Discover the CCL System



"The excellent cardioid effect often leaves people looking very impressed. Colleagues at the monitoring point were pleased with the significant reduction in unwanted signal transfer among the open microphones, along with the fact that they were able to concentrate more fully on the music than on the issue of how to avoid feedback and other forms of interference. The difference compared to non-cardioid systems was clearly audible."

**Marc A. Helbig**  
Event Technician, Hessensound



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