

Dynacord Cobra with FIR-Drive raises the bar for corporate event sound

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A Dynacord Cobra line-array loudspeaker system brought sonic finesse to the Bellvue Chamber of Commerce Annual Dinner, recently held at the Meyedenbauer Center in Bellevue, Washington. Aside from the superb sound quality, one more detail set this event apart from CC dinners around the country: the keynote speaker was Microsoft CEO Steve Ballmer.

Seattle-based audio specialists and Dynacord devotees TR Professional deployed the Cobra system, along with a Midas Venice 320 mixing console, Klark Teknik Square One Dynamics and EQs, and a complement of Electro-Voice REV wireless microphones systems, all adding up to a high-performance PA with a very tidy footprint. The addition of FIR filters to the mix heard the Cobra sounding better than ever—the IRIS-Net controlled PowerH amps running the system featured RCM-26 DSP modules with FIR-Drive.

“This was primarily a spoken-word and video-based event, staged in the round,” says Ric Webb of TR Professional. “We flew two arrays of three Cobra Tops (full-range) and a Cobra Sub from opposite points on the circular truss. I flew two more single Cobra Top boxes as fills, each one flown on either side of the center stage, and they worked like a charm. The pattern control was incredible! It’s a 30x120-degree box, and that was perfect to address the room from this central position. Technically it’s a line-array element, but it works fine as a fill too—the Cobra has proven itself extremely versatile in that sense; easily flown or ground-stacked, it always provides killer performance. One Dynacord PowerH 5000 powered the sub in each array on each side; one Power 2500 powered the three Top boxes on each side, daisy-chained to one of the fills.

TR Professional is employing FIR-filters in the RCM-26 DSP modules in the PowerH amps (controlled via IRIS-Net software), optimizing the Cobra’s already jaw-dropping performance: “The top-end clarity is unbelievable!” says Webb, “I didn’t think the Cobra system could possibly sound any better, but with the FIR filters it does!

Six channels of Electro-Voice REV wireless microphones (with a combination of OLM10 lapel and N/D767a handheld mics) ensured smooth, warm vocal reproduction on the input

end of the equation. A Midas Venice 320 at FOH routed the video feeds, wireless mics, and playback sound. “And I never leave home without my Klark Teknik Square One Dynamics and EQs!” adds Webb.

TR Professional partnered with Blue Danube Productions and Hollywood Lighting for the event.

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