

Directional Focus for Fohhn

Fohhn Audio's Linea Focus electronically steerable line array systems bring directional audio technology and a discreet look to a range of acoustically challenging projects.



Flown Linea Focus systems in Berlin

Requests for alternatives to conventional line array systems are on the increase for live sound applications. Difficult acoustics, the need to target specific audience areas, as well as a requirement for visually unobtrusive systems that don't spoil architectural settings, are all factors that have contributed to the growing popularity of Fohhn's Linea Focus series, in particular the portable LF-120 and LF-220 systems.

Flying High in Hangar 2

A live TV pilot of the celebrity competition *Das Duell*, Germany v. Holland, was filmed in Hangar 2 at Berlin's

former Tempelhof Airport. The venue presented numerous challenges – a high ceiling, long reverberation times, a roaming 'Spidercam' and potential feedback from 30 microphones. Eight LF-220 systems, facing all four directions of the arena, were flown from a height of 12 metres, networked together and controlled via laptop, enabling their vertical sound inclination angles and vertical beam widths to be precisely directed onto audience areas.

Avoiding the Limelight

LF-220 systems, mounted on Fohhn's Free Stand designer stands, also played a supporting role in the live discussion programme *The Rebellious Republic*, filmed in the former Bundestag parliament room in Bonn. With limited set-up time and systems required to be placed out of camera shot, the sound team were nevertheless able to adjust the beams in real time, specifically targeting the audience for optimum speech intelligibility, without interfering with the TV sound, or the live discussion.



Linea Focus with Fohhn Free Stand

Fohhn's Linea Focus active, electronically steerable line array series currently includes four models: the compact LF/I-120 and LF/I-220 systems, the larger LFI-350 and the flagship 4.5-metre LFI-450. Each model contains between eight and 32 integrated speakers, Class D amplifiers, and DSP channels, enabling individual components to be electronically controlled in order to achieve the highest quality of speech and music reproduction.

The vertical inclination angle and vertical beam width can be adjusted in real time, in precise 0.1-degree steps, using Fohhn's unique Audio Soft software. This is one of the few currently available applications that can control the full range of functions via a single user interface.

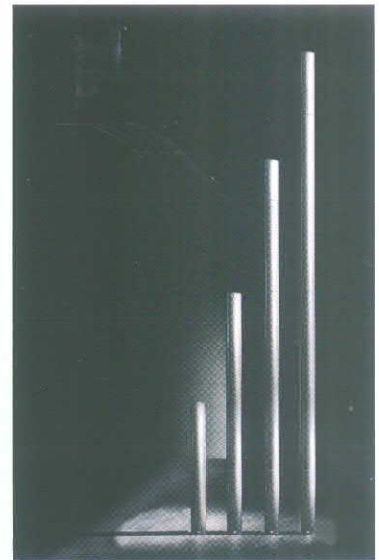
Fohhn's 'Two Beam Technology' allows the loudspeakers to generate two separate beams in their vertical dispersion range for simultaneous coverage of different audience areas. A special algorithm creates a more directional sound and improves speech intelligibility. Multiple systems can be networked together enabling remote control from a central location.

Venetian Elegance

Linea Focus's discrete design proved a major factor in the choice of sound systems for the Audi Urban Future architectural award ceremony in Venice. A central system was specified, but no conventional speakers or stands permitted. LF-220 systems in a white finish framed the stage, their slender columns integrating into the overall design, while providing powerful reproduction of both speech and music.

Two-Beam Technology at Porsche

In a highly reflective glass and steel building, with 400 guests occupying floor and balcony areas, Linea Focus systems were also installed at Porsche HQ in Stuttgart for the launch of the new Panamera. Using Fohhn's Two-



Beam Technology, dual sound beams generated from each loudspeaker were able to separately target the floor and balcony areas, with just two systems required to cover the entire showroom.



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