Fohhn

Focus Venue

FV-200

Active low-mid module with Beam Steering, 8 × 10", 60 Hz – 800 Hz, 560 × 1276 × 595 mm



AES/EBU

AIREA®

Focus Venue FV-200



The FV-200 is the low-mid module of the scalable Concert Sound System Focus Venue. The active high-performance loudspeaker, in combination with the FV-100 high frequency module and PS-800 or PS-850 subs, is the first choice for sound reinforcement of medium to large festivals, stadiums, concert halls, and theatres. The modules are equipped with innovative Fohhn power amp, DSP and digital network technology. Thanks to the Fohhn Beam Steering Technology, the dispersion can be controlled in real time and there is no need to angle the array mechanically. This makes perfect visual integration possible in stage design, architecture and next to large screens.



Main features

- 8 × 10" long excursion drivers
- 4 × 1000 W class-D DSP amplifier
- frequency range: 60 Hz – 800 Hz
- Effectiveness of the directional characteristic down to 60 Hz
- Max. SPL: 145 dB (one module)
- Fohhn Convertible Dispersion Technology (cardioid)
- Convenient real-time control of vertical dispersion with Fohhn Audio Soft
- Vertical beam width: 0° to 90°, sound inclination angle: -40° to +40° (adjusted in 0.1° increments)
- Fohhn Two Beam Technology
- Fohhn Side Lobe Free Technology
- Extremely even and balanced sound coverage, from the front to the last row
- Fast and safe rigging thanks to integrated Fohhn Interlock System
- Q-SYS Plugin available in combination with Fohhn NA-4 or ABX-6

Available with the following color options

Black

Equipped with the following Fohhn technologies

- Fohhn Beam Steering Technology
- Convertible Dispersion Technology
- Fohhn Source Division Waveguide
- Fohhn Airea
- Fohhn DSP inside
- Flyable product
- Fohhn Interlock System
- Weather-resistance possible
- Auto Power Save

Possible input interfaces for this product

AES/EBU AIREA®

For detailed information about all Fohhn technologies, color options and connections, please visit **www.fohhn.com/en/technologies**

Technical data

Electroacoustic features	
acoustic design	electronically steerable line array speaker
components	4 pairs of 10" (2,5" VC) long excursion speakers Hornloaded Waveguide Design
maximum SPL	145 dB (103 dB @ 100 m)
operational mode	active, 4-channel DSP-amplifier, Class-D
frequency range	60 Hz – 800 Hz
nominal dispersion, horizontal	90° switchable cardioid/vented omnidirectional
vertical beam width, digitally controlled	0° – 90° in 0.1° increments
vertical inclination angle, digitally controlled	-40° – +40° in 0.1° increments
acoustic centre	0% (bottom) to 100% (top), both beams movable

Physical features	
enclosure	multiplex birch plywood
dimensions (w × h × d)	560 × 1276 × 595 mm
weight	approx. 135 kg
standard colours	scratch-proof polyurethane coating, black
front design	hexagonal perforated steel grille in cabinet colour, backed by acoustically transparent foam
mounting points	integrated flying tracks, 4 × M8-threads at rear tracks

CAAD simulation data	
simulation data	EASE, Fohhn Designer

Electronic features	
amplifier type	Pure Path Digital PWM
audio inputs	AES/EBU
audio outputs	AES/EBU
amplifier power	4 × 1000 W
DSP channels	4
frequency response	20 Hz – 20 kHz
signal/noise ratio	>105 dB/A
auto power save	adjustable from 1 s to 12 h, or never active
protective circuit	soft start, overtemperature, short circuit, overload
power supply	100 V – 240 V AC 50/60 Hz, power supply with Power Factor Correction (PFC)
power consumption	1200 W RMS, idle 70 W, standby 10 W
heat dissipation	300 W, 1024 BTU/h, 258 kcal/h
temperature range	0 – 40°C
cooling	temperature-controlled fan
weight (electronics)	14.2 kg

Controller	
digital signal processors	2
independent limiters	6
FIR filter	yes
input gain	-80 dB – +12 dB
routing gain	-80 dB – +12 dB
output gain	-80 dB – +12 dB
EQ	10-band parametric EQ, gain, +/-12 dB, frequency 10 – 20 kHz, Q 0.1 – 100
selective 3-band limiting	bass / mid / high
limiter / compressor	yes
noise gate	yes
X-over	Linkwitz-Riley 4th order (24 dB/octave), high pass 10 Hz – 20 kHz, low pass 10 Hz – 20 kHz
delay input	0 – 350 ms (0 – 120 m)
delay output	0 – 640 ms (0 – 220 m)
system latency	1.2 ms
band-specific time constants	yes
filter technology	80-bit double precision
input	AES/EBU 32 kHz – 96 kHz, 16/24 bit
input DSP processing	yes

Remote control and remote monitoring	
remote control	Fohhn Audio Soft, Fohhn Net
remote monitoring	temperature, protect, power supply, Fohhn Net, Fohhn Audio Soft, AES/EBU signals
simulation beam	Fohhn Net, Fohhn Audio Soft

Connections and controls	
mains connection	1 × PowerCON mains in, 1 × PowerCon mains out
control elements	mains switch (remote-controllable via AIREA connect)
inputs	1 × etherCON Airea Connect / stack link, 1 × XLR AES/EBU, 1 × etherCON Fohhn-Net
outputs	1 × etherCON stack link, 2 × XLR AES/EBU, 2 × etherCON Fohhn-Net
signal inputs	AES/EBU 32 kHz – 96 kHz, 16/24 bit
signal outputs	AES/EBU link-out from input

Display LEDs	
Sign LED (connector panel and front grille)	blue = power on, blue flashing = sign
status LED	green = ready, red = protect/standby, red flashing = fault
receive / send LED	receive/send remote control LED
audio error LED	red = no AES/EBU
remote power LED	green = AIREA connect aktive, remote power on
on (stack link) LED	green = stack link aktive

power rating (peak); maximum SPL: peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2 at one octave above the lower limit of the frequency range, with speaker preset
frequency range: -10 dB under anechoic halfspace-conditions with speaker preset
weight: net weight without optional equipment
heat dissipation: pink noise, 6 dB crest, 1/4 Pmax
nominal dispersion: -6 dB compared to the main dispersion axis

Fohhn Audio AG
Großer Forst 15
72622 Nuertingen
Germany

Phone +49 7022 93323-0
Fax +49 7022 93324-0
www.fohhn.com
info@fohhn.com



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