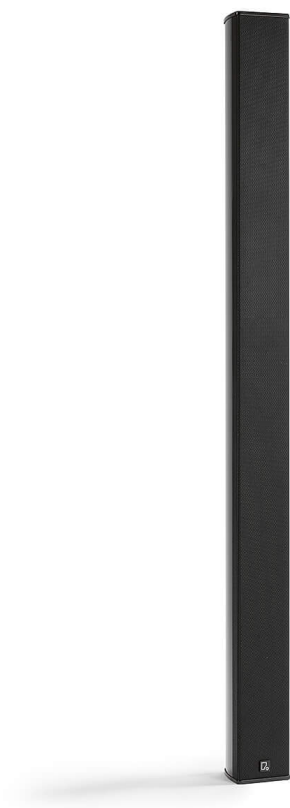


Focus Slim

FS-110

Active, slim line source speaker with beam steering, 8 × 2.5"
broadband chassis, 117 dB max. SPL, 85 × 1100 × 90 mm



Analog

 Dante™

Focus Slim FS-110

FS-110 is an extra slim, active line source speaker with Fohhn Beam Steering Technology. This allows the control of the sound beam by turning the mouse wheel. The Focus Slim series makes this world-renowned Fohhn technology attractive for smaller and more price-sensitive projects. Thanks to the crystal-clear speech transmission, the systems are ideal for high class conference rooms, lecture halls and small to medium sized churches.

Main features

- 8 × 2.5" broadband chassis with coaxial Fohhn diffraction waveguides
- 8 integrated Fohhn DSP amplifiers with 75 W each
- 117 dB max. SPL
- Integrated bass reflex system
- Very wide horizontal dispersion of 140°
- Vertical dispersion controllable in real time via Fohhn Audio Soft
- Vertical beam width: 0° to 90°, sound inclination angle: -40° to +40° (adjusted in 0.1° increments)
- Acoustic centre displaceable over entire line length
- Fohhn Two Beam Technology (two independent dispersion beams)
- Fohhn Side Lobe Free Technology (suppression of side lobes)
- With analog inputs + Dante
- Q-Sys and Crestron plug-ins available
- Flexible mounting thanks to T-slot on the rear
- Only 8.5 cm wide

Available with the following color options



Black



White

Equipped with the following Fohhn technologies



Fohhn Texture
Design



Fohhn Beam
Steering
Technology



Fohhn DSP
inside



Special colors
optional



Auto Power
Save

Possible input interfaces for this product

Analog

 Dante™

Technical data

Electroacoustic features	
acoustic design	Ultra-compact, electronically controllable line source system, bass reflex
components	8 × 2.5" broadband chassis, water-repellent membrane, with coaxial Fohhn diffraction waveguide
maximum SPL	117 dB
operational mode	active, 8 × DSP amplifier, Class-D
frequency range	62 Hz – 17 kHz
nominal dispersion, horizontal	140°
vertical beam width, digitally controlled	0° to +90° in 0.1° increments
vertical inclination angle, digitally controlled	–40° to +40° in 0.1° increments
acoustic centre	both beams moveable between 0 – 100 % (from speaker bottom to top)
Physical features	
enclosure	aluminum, powder coated
connectors	Dante audio and control with 100Base-TX Ethernet, analog input, mains power, USB-C Config for local configuration
Dimensions without / incl. connection cover (w x h x d)	85 × 1100 × 90 / 100 mm
weight	5.8 kg
standard colours	black or white powder coated
front design	Front grille in enclosure color
protection grille	Steel grille, powder coated, backed with acoustically transparent 3D mesh
mounting points	continuous T-slot at rear
Optional features	
optional colours	RAL Classic / NCS / Pantone on request, Fohhn Texture Design

Electronic features	
amplifier type	Pure Path Digital PWM
support for AES67	yes
DSP channels, Fohhn Audio DSP	8
amplifier power	8 × 75 W
frequency response	20 Hz – 20 kHz
gain	25 dB
input sensitivity	0 dBFS / +4,2 dBV
signal/noise ratio	> 103 dB (A-weighted)
THD+N	0.08 % (1 kHz, 8 ohms, 3 dB below clipping)
dynamic range	> 120 dB
password protection	yes
auto power save	adjustable from 1 s to 12 h, or never active
protective circuit	over voltage protection, over current protection, over temperature protection, short-circuit protection, DC protection, power on delay, soft start and inrush current limit
power supply	100 – 240 V AC 50/60 Hz, universal power supply with power factor correction (PFC)
power consumption	200 W, Idle 15 W, Auto Power Save 4 W, Standby 3 W
power factor (PFC)	> 90 %
heat dissipation	50 W, 171 BTU/hr, 43 kcal/h (Pink Noise, 6 dB crest, ¼ Pmax)
temperature range	0 – 40 °C
cooling	fanless, passive

Controller	
FIR filter	yes
gain	–80 dB – +12 dB
volume	–80 dB – +12 dB
EQ input	10 fully parametric filters, Gain +/-12 dB, Frequency 10 Hz – 20 kHz, Q 0.1 – 100
EQ output	10 fully parametric filters, Gain +/-12 dB, Frequency 10 Hz – 20 kHz, Q 0.1 – 100
selective 3-band limiting	bass / mid / high
limiter / compressor	2 × input, 1 × output
noise gate	2 × input, 1 × output
X-over	Linkwitz–Riley 4th order (24 dB/octave), high pass 10 Hz – 20 kHz, low pass 10 Hz – 20 kHz, each 2 × input, 1 × output
delay input	0 – 350 ms (0 – 120 m)
delay output	0 – 640 ms (0 – 220 m)
user presets	100
simulation beam	Fohhn Net, Fohhn Audio Soft
system latency	Dante + 1.2 ms
band-specific time constants	yes
filter technology	80-bit double precision

Remote control and remote monitoring	
remote control	Fohhn Audio Soft, Fohhn Net over IP
remote monitoring	temperature, protect, signals, power supply, Fohhn Net, Fohhn Audio Soft
integration in media control	UDP text protocol, Q-SYS Plugin available

Connections and controls	
inputs & control	1 × 100Base-TX Ethernet (RJ-45) for Dante audio and control, 1 × terminal for analog audio, balanced 1 × USB-C for control
mains connection	1 × 3-pin terminal (4.0 mm ² rigid / 2.5 mm ² flex)

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

