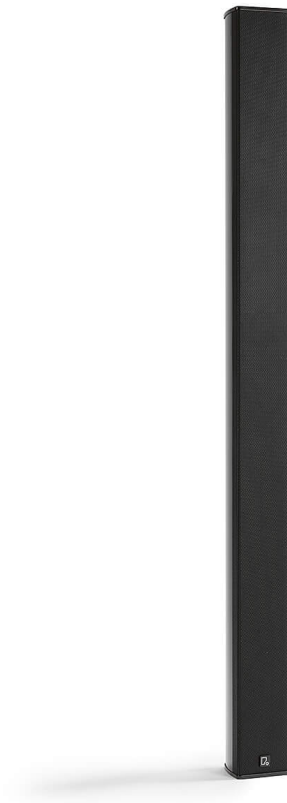


# Focus Slim

## 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
frequency range	62 Hz – 17 kHz
operational mode	active, 8 × DSP amplifier, Class-D
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
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## Electronic features

amplifier type	Pure Path Digital PWM
support for AES67	yes
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 %
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
filter technology	80-bit double precision

### Remote control and remote monitoring

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remote control Fohhn Audio Soft, Fohhn Net over IP

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remote monitoring temperature, protect, signals, power supply, Fohhn Net, Fohhn Audio Soft

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integration in media control UDP text protocol, Q-SYS Plugin available

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### Connections and controls

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inputs & control 1 × 100Base-TX Ethernet (RJ-45) for Dante audio and control, 1 × terminal for analog audio, balanced 1 × USB-C for control

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mains connection 1 × 3-pin terminal (4.0 mm<sup>2</sup> rigid / 2.5 mm<sup>2</sup> flex)

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