

# Focus Slim

## FS-200

Actieve, slanke lijnbronluidspreker met straalbesturing, 16 × 2,5" breedbandchassis, 123 dB max. SPL, 85 × 2000 × 90 mm



Analog

 Dante™

# Focus Slim FS-200

FS-200 is een extra slanke, actieve lijnbronluidspreker met Fohhn Beam Steering Technology. Hierdoor kan de geluidsstraal worden geregeld door aan het muiswiel te draaien. De Focus Slim serie maakt deze wereldberoemde Fohhn technologie aantrekkelijk voor kleinere en meer prijsgevoelige projecten. Dankzij de kristalheldere spraakoverdracht zijn de systemen ideaal voor eerste klas conferentieruimten, collegezalen en kleine tot middelgrote kerken.

## Main features

- 16 × 2,5" breedbandchassis met coaxiale Fohhn-diffractiegolfgeleiders
- 16 geïntegreerde Fohhn DSP versterkers met elk 75 W
- 123 dB max. SPL
- Geïntegreerd basreflexsysteem
- Zeer brede horizontale spreiding van 140°
- Verticale spreiding in real time regelbaar via Fohhn Audio Soft
- Verticale bundelbreedte: 0° tot 90°, geluidshellingshoek: -40° tot +40° (verstelbaar in stappen van 0,1°)
- Akoestisch centrum verplaatsbaar over de gehele lengte van de lijn
- Fohhn twee bundel technologie (twee onafhankelijke dispersiebundels)
- Fohhn zijlobbenvrije technologie (onderdrukking van zijlobben)
- Met analoge ingangen + Dante
- Q-Sys en Crestron plug-ins beschikbaar
- Flexibele montage dankzij T-sleuf aan de achterzijde
- Slechts 8,5 cm breed

Verkrijgbaar met de volgende kleuropties



Zwart



Wit

Uitgerust met de volgende Fohhn technologieën



Fohhn Texture  
Design



Fohhn Beam  
Steering  
Technology



Fohhn DSP  
binnen



Speciale  
kleuren  
optioneel



Auto Power  
Save

Mogelijke invoerinterfaces voor dit product

Analog

 Dante™

# Technische gegevens

| Electroacoustic features                                |                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| acoustic design                                         | Ultra-compact, electronically controllable line source system, bass reflex                                        |
| components                                              | 16 × 2.5" broadband chassis, water-repellent membrane, with coaxial Fohhn diffraction waveguide                   |
| maximum SPL                                             | 123 dB                                                                                                            |
| frequency range                                         | 62 Hz – 17 kHz                                                                                                    |
| operational mode                                        | active, 16 × 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 × 2000 × 90 / 100 mm                                                                                           |
| weight                                                  | 10.1 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                                                      |

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electronic features</b>    |                                                                                                                                                                             |
| amplifier type                | Pure Path Digital PWM                                                                                                                                                       |
| support for AES67             | yes                                                                                                                                                                         |
| DSP channels, Fohhn Audio DSP | 16                                                                                                                                                                          |
| amplifier power               | 16 × 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             | 400 W, Idle 25 W, Auto Power Save 4 W, Standby 3 W                                                                                                                          |
| power factor (PFC)            | > 90 %                                                                                                                                                                      |
| temperature range             | 0 – 40 °C                                                                                                                                                                   |
| cooling                       | fanless, passive                                                                                                                                                            |
| <b>Controller</b>             |                                                                                                                                                                             |
| 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 0 – 350 ms (0 – 120 m)                                                                                                                                |
| 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 <sup>2</sup> rigid / 2.5 mm <sup>2</sup> flex)                                                  |

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