

# Focus Slim

## FS-150

Aktiv, slimmad källhögtalare med strålstyrning, 12 × 2,5"  
broadbandschassi, 121 dB max. SPL, 85 × 1500 × 90 mm



Analog

 Dante™

# Focus Slim FS-150

FS-150 är en extra tunn, aktiv linjehögtalare med Fohhn Beam Steering Technology. Detta gör det möjligt att styra ljudstrålen genom att vrida på mushjulet. Serien Focus Slim gör den världsberömda Fohhn-tekniken attraktiv för mindre och mer priskänsliga projekt. Tack vare den kristallklara talöverföringen är systemen idealiska för högklassiga konferensrum, föreläsningssalar och små till medelstora kyrkor.

## Main features

- 12 × 2,5" bredbands-chassi med koaxiala Fohhn-diffraktionsvågledare.
- 12 integrerade Fohhn DSP -förstärkare med 75 W vardera.
- 121 dB max. SPL
- Integrerat basreflexsystem
- Mycket bred horisontell spridning på 140°.
- Vertikal spridning kan kontrolleras i realtid via Fohhn Audio Soft
- Vertikal strålbredd: 0° till 90°, ljudets lutningsvinkel: -40° till +40° (justeras i steg om 0,1°).
- Akustiskt centrum kan flyttas över hela linjelängden.
- Fohhn Two Beam Technology (två oberoende spridningsstrålar)
- Fohhn Side Lobe Free Technology (dämpning av sidolober)
- Med analoga ingångar + Dante
- Q-Sys- och Crestron-plugins tillgängliga
- Flexibel montering tack vare T-spår på baksidan
- Endast 8,5 cm bred

Tillgänglig med följande färgalternativ



Svart



Vit

Utrustad med följande Fohhn-teknik



Fohhn Texture  
Design



Fohhn Beam  
Steering  
Technology



Fohhn DSP  
inside



Specialfärger  
valfria



Auto Power  
Save

Möjliga ingångsgränssnitt för denna produkt

Analog

 Dante™

För detaljerad information om alla Fohhn-teknologier, färgalternativ och anslutningar, vänligen besök

[www.fohhn.com/en/technologies](http://www.fohhn.com/en/technologies)

# Tekniska data

| Electroacoustic features                                |                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| acoustic design                                         | Ultra-compact, electronically controllable line source system, bass reflex                                        |
| components                                              | 12 × 2.5" broadband chassis, water-repellent membrane, with coaxial Fohhn diffraction waveguide                   |
| maximum SPL                                             | 121 dB                                                                                                            |
| frequency range                                         | 62 Hz – 17 kHz                                                                                                    |
| operational mode                                        | active, 12 × 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 × 1500 × 90 / 100 mm                                                                                           |
| weight                                                  | 7.9 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 | 12                                                                                                                                                                          |
| amplifier power               | 12 × 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             | 300 W, Idle 20 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                                                                                                                                                       |
| 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)                                                  |

**Fohhn Audio AG**  
**Großer Forst 15**  
**72622 Nuertingen**  
**Tyskland**

**Telefon +49 7022 93323-0**  
**Fax +49 7022 93324-0**  
**[www.fohhn.com](http://www.fohhn.com)**  
**[info@fohhn.com](mailto:info@fohhn.com)**

