

# Linea Focus

## DLI-130 ( 固定安装 )

带波束导向的有源线声源系统，用于固定安装，8 × 4"，最大声压级124 dB，133 × 1358 × 128 mm



Analog

AES/EBU

AIREA®

Dante™

# Linea FocusDLI-130（固定安装）

DLI-130是获奖的Focus系列中的一个紧凑的、电子可导向线源扬声器。这种优雅的高性能扬声器是专业语音和音乐应用的首选。由于Fohhn Beam Steering Technology，它们几乎可以在无形中集成，并在复杂的声学环境中提供最佳效果。

## Main features

- 8 × 4 "高性能驱动器（频率响应：60 Hz - 17 kHz）。
- 内置8个通道的数字放大器，8个DSP通道
- 最大声压级: 124 dB
- 输入接口可选择模拟，AES/EBU + FohhnAirea,Dante Ultimo with Fohhn Net Control (DUC) 或Dante Brooklyn with Fibre (DBF)
- Fohhn Audio Soft可方便实时控制声音垂直分布
- 垂直波束宽度：0°到90°，声音倾斜角度：-40°到+40°（以0.1°为单位步进调整）。
- 发声中心点可在整个扬声器上移位
- Fohhn双波束技术（两个独立的分散波束）
- Fohhn无旁瓣技术（旁瓣抑制）
- 可提供RAL、NCS、Pantone和带有Fohhn Texture Design
- 根据DIN EN 60849 / VDE 0828标准集成到疏散系统中
- 集成在媒体控制中，如快思聪、AMX、Extron等。
- 可用的Q-SYS插件
- 新品：

有以下颜色可供选择



黑色



白

配备了以下Fohhn技术



Fohhn Texture Design



Fohhn Beam Steering Technology



Fohhn Source Division Waveguide



傅汉文Airea



Fohhn DSP 内幕



特殊颜色可选



自动省电模式

该产品可能的输入接口

Analog

AES/EBU

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# 技术数据

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| Electroacoustic features                            |                                                                    |
| acoustic design                                     | electronically steerable line source speaker                       |
| components                                          | 8 × 4" impregnated (fully neodymium)                               |
| maximum SPL (1 m)                                   | 124 dB                                                             |
| frequency range                                     | 60 Hz – 17 kHz                                                     |
| operational mode                                    | active, 8 × DSP amplifiers, Class-D                                |
| nominal dispersion,<br>horizontal                   | 110°                                                               |
| vertical beam width, digitally<br>controlled        | 0° to +90° in 0.1° increments                                      |
| vertical inclination angle,<br>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                                                           |
| dimensions (w × h × d)                              | 133 × 1358 × 128 mm                                                |
| weight                                              | approx. 9.4 kg                                                     |
| standard colours                                    | black or white powder coated                                       |
| front design                                        | front grille in housing colour                                     |
| protection grille                                   | steel grille, ball impact resistant, powder-coated                 |
| mounting points                                     | continuous T-slot at rear                                          |
| Optional features                                   |                                                                    |
| optional colours                                    | RAL Classic / NCS / Pantone on request, Fohhn Texture Design       |
| CAAD simulation data                                |                                                                    |
| simulation data                                     | EASE, Fohhn Designer                                               |

| Electronic features           |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| amplifier type                | Pure Path Digital PWM                                                      |
| support for AES67             | only with Dante versions                                                   |
| DSP channels, Fohhn Audio DSP | 8                                                                          |
| amplifier power               | 8 × 100 W                                                                  |
| frequency response            | 20 Hz – 20 kHz                                                             |
| gain                          | 25 dB                                                                      |
| input sensitivity             | 0 dBFS with AES or Dante versions; 1.4 V with Analog                       |
| signal/noise ratio            | >105 dB/A                                                                  |
| tilt sensor                   | yes                                                                        |
| password protection           | yes                                                                        |
| auto power save               | adjustable from 1 s to 12 h, or permanently 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             | Standby 5 W, max. 200 W                                                    |
| power factor (PFC)            | > 90 %                                                                     |
| low power                     | Green Power Standby Mode                                                   |
| heat dissipation              | 70 W, 239 BTU/h, 60 kcal/h (Pink Noise, 6 dB crest, 1/4 Pmax)              |
| temperature range             | 0 – 40 °C                                                                  |
| cooling                       | temperature-controlled fan                                                 |
| weight (electronics)          | approx. 2 kg                                                               |

| Controller                   |                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| digital signal processors    | 2                                                                                                                             |
| independent limiters         | 6                                                                                                                             |
| 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, 2 × input, 1 × output in each case |
| delay input                  | 0.01 – 350 ms or 3.4 mm – 120 m each                                                                                          |
| delay output                 | 0.01 – 650 ms or 3.4 mm – 220 m each                                                                                          |
| user presets                 | 100                                                                                                                           |
| simulation beam              | Fohhn Net, Fohhn Audio Soft                                                                                                   |
| system latency               | 1.8 ms with AES, 2.4 ms with Analog, Dante +1.8 ms with Dante versions                                                        |
| band-specific time constants | yes                                                                                                                           |
| filter technology            | 80-bit double precision                                                                                                       |
| AD (with Analog input)       | 24 bit / 96 kHz                                                                                                               |

| Inputs and outputs       |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| audio inputs             | optionally 1 × AES/EBU + 1 × Airea, 2 × Analog (transformer balanced) or Dante |
| redundancy               | only with Dante DBF version (Dante Primary & Secondary)                        |
| audio input channels DSP | 2                                                                              |
| audio link               | only with Analog version (2)                                                   |

| Remote control and remote monitoring |                                                                                                   |
|--------------------------------------|---------------------------------------------------------------------------------------------------|
| remote control                       | Fohhn Audio Soft, Fohhn Net                                                                       |
| remote monitoring                    | temperature, protect, signals, power supply, Fohhn Net, Fohhn Audio Soft, tilt sensor, pilot tone |
| pilot tone monitoring                | activatable, detectable in Master (on both inputs)                                                |
| fault message contact                | only with AES or Analog version (1 × relay 2 × alternate, 3-pin Phoenix)                          |
| switching contact                    | only with AES or Analog version (load preset, standby on/off)                                     |

| Connections                 |                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mains connection (internal) | 1 × WAGO 2-pin, grounding screwed                                                                                                                                                                                                                          |
| signal inputs               | AES: Phoenix 3-pin + Phoenix 3-pin Fohhn Net + RJ-45 Airea, Analog: 2 × Phoenix 3-pin + Phoenix 3-pin Fohhn Net, Dante (DUC): RJ-45 100BASE-TX Ethernet (Dante + Fohhn Net), Dante (DBF): 2 × RJ-45 1000BASE-T Ethernet + 2 × SFP port (Dante + Fohhn Net) |
| signal link                 | only with AES (1 × Phoenix 3-pin Fohhn Net) or Analog version (2 × Phoenix 3-pol for audio, 1 × Phoenix 3-pin Fohhn Net)                                                                                                                                   |
| fault message contact       | only with AES or Analog version (1 × Phoenix 3-pin, 1 × Phoenix 3-pin link)                                                                                                                                                                                |
| switching contact           | only with AES or Analog version (1 × Phoenix 3-pin)                                                                                                                                                                                                        |

| Display                  |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| power on / off (standby) | only with AES or Analog version (green = on, red = standby, red flashing = fault, blue = sign) |
| network control          | only with AES or Analog version (receive/send remote control LED)                              |

额定功率（峰值）；最大声压级：峰值，20毫秒，带滤波粉红噪声信号，符合IEC 60268-2标准，频率范围下限以上一个八度，扬声器预设  
 频率范围：-10分贝，在消声半空间条件下，扬声器预设  
 重量：净重，不含可选设备  
 散热：粉红噪声，6分贝波峰，1/4 Pmax  
 标称频散：与主频散轴相比，平均1-4kHz，-6dB

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

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

