

Linea Focus

DLI-230 (移动式)

用于移动应用的带波束转向的有源线源系统，16 × 4"，最大声压级130 dB，133 × 2308 × 128 mm



Analog

AES/EBU

AIREA®

Dante™

Linea FocusDLI-230 (移动式)

DLI-230是获奖的Focus系列中的一款电子可控线声源扬声器。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

- 16 × 4 "高性能驱动器（频率响应：60 Hz - 17 kHz）。
- 内置16个通道的数字功率放大器，16个DSP通道
- 最大声压级: 130 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	16 × 4" impregnated (fully neodymium)
maximum SPL (1 m)	130 dB
frequency range	60 Hz – 17 kHz
operational mode	active, 32 × DSP amplifiers, Class-D
nominal dispersion, horizontal	110°
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
dimensions (w × h × d)	133 × 2308 × 128 mm
weight	approx. 15.1 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	16
amplifier power	16 × 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. 400 W
power factor (PFC)	> 90 %
low power	Green Power Standby Mode
heat dissipation	140 W, 478 BTU/h, 120 kcal/h (Pink Noise, 6 dB crest, 1/4 Pmax)ax)
temperature range	0 – 40 °C
cooling	temperature-controlled fan
weight (electronics)	approx. 3 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

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