

Linea Focus

DLI-230 (vaste installatie)

Actief lijnbronsysteem met bundelbesturing voor vaste installaties, 16 × 4", 130 dB SPL max., 133 × 2308 × 128 mm



Analog

AES/EBU

AIREA®

Dante™

Linea Focus DLI-230 (vaste installatie)

De DLI-230 is een elektronisch regelbare lijnbronluidspreker uit de bekroonde Focus-serie. De elegante hoogwaardige luidsprekers zijn de allereerste keuze voor professionele spraak- en muziektoeepassingen. Dankzij de Fohhn Beam Steering Technology kunnen ze bijna onzichtbaar worden geïntegreerd en bieden ze de beste resultaten in complexe akoestische omgevingen.

Main features

- 16 × 4" driver met hoge prestaties (frequentierespons: 60 Hz - 17 kHz)
- Ingebouwde 16-kanaals digitale eindversterker, 16 DSP-kanalen
- SPL max.: 130 dB
- Ingangsinterface naar keuze analoog, AES/EBU + Fohhn Airea, Dante Ultimo met Fohhn Net Control (DUC) of Dante Brooklyn met Fibre (DBF)
- Comfortabele real-time regeling van de verticale dispersie met 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)
- Verkrijgbaar in RAL, NCS, Pantone en met Fohhn Texture Design
- Integratie in evacuatiesystemen volgens DIN EN 60849 / VDE 0828
- Integratie in mediabesturingen zoals Crestron, AMX, Extron en meer
- Q-SYS Plugin beschikbaar
- Nieuw: Flexibele montage dankzij de T-slot aan de achterzijde

Verkrijgbaar met de volgende kleuropties



Zwart



Wit

Uitgerust met de volgende Fohhn technologieën



Fohhn Texture
Design



Fohhn Beam
Steering
Technology



Fohhn Source
Division
Waveguide



Fohhn Airea



Fohhn DSP
binnen



Speciale
kleuren
optioneel



Auto Power
Save

Mogelijke invoerinterfaces voor dit product

Analog

AES/EBU

AIREA®

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Technische gegevens

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, 16 × 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)
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)

nominaal vermogen (piek); maximale SPL: piek, 20 ms met bandgefilterd roze ruissignaal overeenkomstig IEC 60268-2 bij één octaaf boven de ondergrens van het frequentiebereik, met luidspreekervoorinstelling

frequentiebereik: -10 dB onder anechoïsche halfruimte-condities met luidspreekervoorinstelling

gewicht: nettogewicht zonder optionele apparatuur

warmteafvoer: roze ruis, 6 dB crest, 1/4 Pmax

nominale dispersie: -6 dB ten opzichte van de hoofddispersie-as, gemiddeld 1 - 4 kHz

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