

Linea Fokus

DLI-430 (fast installation)

Aktivt line source-system med strålestyring til faste installationer, 32 × 4", 136 dB SPL max., 133 × 4316 × 128 mm



Analog

AES/EBU

AIREA®

Dante™

Linea Focus DLI-430 (fast installation)

DLI-430 er en elektronisk styrbar linjehøjttaler fra den prisbelønnede Focus-serie. De elegante højttalere med høj ydeevne er det allerførste valg til professionelle stemme- og musikapplikationer. Takket være Fohhn Beam Steering Technology kan de integreres næsten usynligt og giver de bedste resultater i komplekse akustiske miljøer.

Main features

- 32 × 4" højtydende driver (frekvensgang: 60 Hz - 17 kHz)
- Indbygget 32-kanals digital forstærker, 32 DSP-kanaler
- SPL max.: 136 dB
- Indgangsinterface valgfrit Analogt, AES/EBU + Fohhn Airea, Dante Ultimo med Fohhn Net Control (DUC) eller Dante Brooklyn med fiber (DBF)
- Praktisk realtidskontrol af vertikal spredning med Fohhn Audio Soft
- Spredningsgrad: 0° til 90°, hældningsgrad: -40° til +40° (justeret i intervaller på 0,1°)
- Akustisk center kan flyttes over hele linjelængden
- Fohhn Two Beam-teknologi (to uafhængige spredningsstråler)
- Fohhn Side Lobe Free-teknologi (undertrykkelse af side lobe)
- Fås i RAL, NCS, Pantone og med Fohhn Texture Design
- Integration i evakueringsystemer i henhold til DIN EN 60849 / VDE 0828
- Integration i mediekontroller som Crestron, AMX, Extron m.m.
- Q-SYS Plugin tilgængelig
- Nyhed: Fleksibel montering takket være T-slottet på bagsiden

Fås med følgende farvevarianter



Sort



Hvid

Udstyret med følgende Fohhn-teknologier



Fohhn Texture
Design



Fohhn Beam
Steering
Technology



Fohhn Source
Division
Waveguide



Fohhn Airea



Fohhn DSP inde
på



Særlige farver
valgfrit



Auto Power
Save

Mulige indgangsinterfaces for dette produkt

Analog

AES/EBU

AIREA®

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Tekniske data

Electroacoustic features	
acoustic design	electronically steerable line source speaker
components	32 × 4" impregnated (fully neodymium)
maximum SPL (1 m)	136 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 × 4316 × 128 mm
weight	approx. 29.3 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	32
amplifier power	32 × 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. 800 W
power factor (PFC)	> 90 %
low power	Green Power Standby Mode
heat dissipation	280 W, 955 BTU/h, 240 kcal/h (Pink Noise, 6 dB crest, 1/4 Pmax)
temperature range	0 – 40 °C
cooling	temperature-controlled fan
weight (electronics)	approx. 4 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)

nominel effekt (peak); maksimal SPL: peak, 20 ms med båndpasfilteret lyserødt støjsignal i henhold til IEC 60268-2 ved en oktav over frekvensområdets nedre grænse, med højttalerforindstilling

frekvensområde: -10 dB under akustiske halvrumsforhold med højttalerforindstilling

vægt: nettovægt uden ekstraudstyr

varmeafgivelse: lyserød støj, 6 dB crest, 1/4 Pmax

nominel spredning: -6 dB i forhold til hovedspredningsaksen, gennemsnit 1 - 4 kHz

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