



Fohhn
colors of sound

Datasheet

Airea LX-10 ASX



AIREA

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The LX -10 ASX is an ultra-compact, active 2-way nearfield speaker from the Fohhn Airia system. It is connected via a network cable to the Airia matrix AM-4.4 which provides the mains voltage as well as digital audio and control signals. The LX-10 ASX guarantees world-class playback of voice and music in a sophisticated, fully digital audio network: Fohhn Airia.



- 4" long excursion driver and 0.75" dome tweeter in coaxial arrangement
- High and midrange can be separately controlled with 2-channel amplifier
- Extensive DSP and routing options via Fohhn Audio Soft
- Airia Net Load: 50 W
- Wide and constant dispersion of 100° × 100° (H × V)
- Connections: 2 × RJ-45 (Fohhn Airia)
- Requires only a single CAT cable
- Q-SYS Plugin available in combination with Fohhn NA-4 or ABX-6
- Available in RAL Classic, NCS or Pantone colours on request
- Various mounting options for fixed and temporary installations



Available with the following color options



Black



White

Equipped with the following Fohhn technologies



Fohhn Airia

Possible input interfaces for this product

AIREA®

Technical data

Electroacoustic features

acoustic design	compact, active nearfield loudspeaker, 2-way, coaxial
components	1 × 4" / 0.75" dome tweeter, fully neodymium
maximum SPL	110 dB
operational mode	active, 2 × Class-D DSP amplifier
frequency range	80 Hz – 20 kHz
nominal dispersion (h × v)	100° × 100°

Physical features

enclosure	aluminum
connectors	2 × RJ-45
dimensions (w × h × d)	130 × 130 × 120 mm
weight	1.3 kg
standard colors	black or white powder coating
front design	metal grille in enclosure colour
protection grille	steel grille, ball impact resistant, powder coated
mounting points	2 × M6 thread

Optional features

special colors	RAL Classic / NCS / Pantone on request, Fohhn Texture Design
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CAAD simulation data

simulation data	EASE, CLF, Fohhn Designer
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Electronic features

amplifier type	Pure Path Digital PWM
DSP	Fohhn Audio DSP
audio inputs	2 independent audio channels, AES/EBU 32 kHz – 96 kHz, 16/24 Bit
audio outputs	2 x 300 W internal
amplifier power	2 x 300 W
frequency response	20 Hz – 20 kHz
gain	30 dB
input sensitivity	-6 dB Fullscale
signal/noise ratio	>105 dB/A
THD	<0,05 % typ., <0,01 % 1 kHz -6 dB
protective circuit	soft start, overtemperature, short circuit, overload
power supply	Airea Net 50 V
power consumption	Standby 5 W, Airea Net Load 50 W
power factor (PFC)	> 90 %
protection	integrated semiconductor fuse
low power	Green Power Standby Mode
emergency current	with extern USV
heat dissipation	50 W, 170 BTU/h, 43 kcal/h
operating temperature	0 – 40°C
cooling	passive
weight (electronics)	0.3 kg

Controller

digital signal processors	2
independent limiters	4
FIR filter	yes
gain	-80 dB – +12 dB
volume	-80 dB – +12 dB
EQ	10-band parametric EQ, gain, +/-12 dB, frequency 10 – 20 kHz, Q 0.1 – 100
selective 3-band limiting	bass / mid / high
limiter / compressor	yes
noise gate	yes
delay	0 – 145 ms (0 – 50 m)
X-over	Linkwitz-Riley 4. Ordnung (24 dB/Oktave), Highpass 10 Hz – 20 kHz, Lowpass 10 Hz – 20 kHz
user presets	100
system latency	0,95 ms
band-specific time constants	yes
filter technology	56-bit double precision
input	AES/EBU 32 kHz – 96 kHz, 16/24 Bit

Remote control and remote monitoring

remote control	Airea-Net, Fohhn Audio Soft
remote monitoring	temperature, protect, signals, power supply, Fohhn-Net, Fohhn Audio Soft, AES/EBU available

Display LEDs

sign, identification front LED	blue, blue flashing
network control	receive/send remote control LED
power on / off (standby)	green = on, red = standby, red / green flashing = fault
sign, identification	blue, blue flashing

power rating (peak); maximum SPL: peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2 at one octave above the lower limit of the frequency range, with speaker preset
frequency range: -10 dB under anechoic halfspace-conditions with speaker preset
weight: net weight without optional equipment
heat dissipation: pink noise, 6 dB crest, 1/4 Pmax
nominal dispersion: -6 dB compared to the main dispersion axis

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