

# Airea

## LX-10 ASX

Active near field speaker for music and speech with Fohhn Airex, 4" / 0.75", W, 110 dB SPL max., 130 × 130 × 120 mm



# Airea LX-10 ASX

The LX -10 ASX is an ultra-compact, active 2-way nearfield speaker from the Fohhn Airea system. It is connected via a network cable to the Airea 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 Airea.



## Main features

- 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
- Airea Net Load: 50 W
- Wide and constant dispersion of 100° × 100° (H × V)
- Connections: 2 × RJ-45 (Fohhn Airea)
- 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 Area

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 colours	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	
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
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 × 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
temperature range	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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