

# Airea

## LX-10 ASX

Active near field speaker for music and speech with  
Fohhn Aira, 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 Airia system. It connects to a master module via a network cable, through which it receives the mains voltage as well as digital audio and the control signals. The LX-10 ASX guarantees world-class playback of voice and music in a sophisticated, fully digital audio network: Fohhn Airia.



## 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
- Airia Net Load: 50 W
- Wide and constant dispersion of 100° x 100° (H x V)
- Connections: 2 x RJ-45 (Fohhn Airia)
- Requires only a single CAT cable
- 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



Ball impact  
resistant

## 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
frequency range	80 Hz – 20 kHz
operational mode	active, 2 × Class-D DSP amplifier
nominal dispersion (h × v)	100° × 100°

## Features

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

## Optional features

optional colours	RAL Classic / NCS / Pantone on request, Fohhn Texture Design
------------------	--

## CAAD simulation data

simulation data	EASE
-----------------	------

**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
temperature range	0 – 40°C
cooling	passive
weight (electronics)	0.3 kg
	2 x 300 W internal

**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, Frequenz 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 (nominal/program): according to IEC-60268-5

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

sensitivity: 2,83 V at 8 ohms (2 V at 4 ohms, 4 V at 16 ohms) at a distance of 1 m under anechoic fullspace conditions

frequency range: -10 dB under anechoic halfspace-conditions

weight: net weight without optional equipment

Intelligent Protection Circuit (IPC): voltage-controlled semiconductor circuit protecting the HF-driver against overload highly effective and with very short attack time

cut-off frequency: -10 dB under anechoic halfspace-conditions with speaker preset

heat dissipation: pink noise, 6 dB crest, 1/4 Pmax

**Fohhn Audio AG**  
**Großer Forst 15**  
**72622 Nuertingen**  
**Germany**

**Phone +49 7022 93323-0**  
**Fax +49 7022 93324-0**  
**[www.fohhn.com](http://www.fohhn.com)**  
**[info@fohhn.com](mailto:info@fohhn.com)**

