

# Airea

## LX-20 ASX

Active near field speaker for music and speech with Fohhn Airea, 2 × 4" / 0.75" W, 116 dB SPL max., 130 × 232 × 120 mm



# Airea LX-20 ASX

The LX-20 ASX is a 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-20 ASX guarantees world-class playback of voice and music in a sophisticated, fully digital audio network: Fohhn Airia.



## Main features

- 2 × 4" long excursion driver and 0.75" dome tweeter
- High and midrange can be separately controlled with 2-channel amplifier
- Extensive DSP and routing options via Fohhn Audio Soft
- Airia Net Load: 100 W
- Dispersion of: 130° × 80° (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 Texture Design



Fohhn Airia



Special colors optional

## Possible input interfaces for this product

**AIREA**

# Technical data

## Electroacoustic features

acoustic design	compact, active nearfield loudspeaker, 2-way
components	2 × 4" / 0.75" dome tweeter, fully neodymium
maximum SPL	116 dB
operational mode	active, 2 × Class-D DSP amplifier
frequency range	80 Hz – 20 kHz
2-way design	yes
nominal dispersion (h × v)	130° × 80°

## Physical features

enclosure	aluminum
connectors	1 × RJ-45 in, 1 × RJ-45 link out
dimensions (w × h × d)	130 × 232 × 120 mm
weight	1.9 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	4 × M6 thread

## Optional features

optional colours	RAL Classic / NCS / Pantone on request, Fohhn Texture Design
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## CAAD simulation data

simulation data	EASE, 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 × 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 100 W
power factor (PFC)	> 90 %
protection	integrated semiconductor fuse
low power	Green Power Standby Mode
emergency current	with extern USV
heat dissipation	100 W, 340 BTU/h, 86 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. order, 24 dB/octave, high pass 10 Hz – 20 kHz, low pass 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, averaged 1 – 4 kHz

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