

Airea

LX-20 ASX

Active near field speaker for music and speech with Fohhn Aira, 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 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-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
- 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



Ball impact resistant

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
frequency range	80 Hz – 20 kHz
operational mode	active, 2 × Class-D DSP amplifier
2-way design	yes
nominal dispersion (h x v)	130° × 80°

Features

enclosure	aluminum
front design	metal grille in enclosure colour
protection grille	steel grille, ball impact resistant, powder-coated
weight	1.9 kg
standard colours	black or white powder coating
mounting points	4 × M6 thread
connectors	1 × RJ-45 in, 1 × RJ-45 link out
dimensions (W × H × D)	130 × 232 × 120 mm

Optional features

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

simulation data	EASE
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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
	2 × 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. 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 (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

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