

Airea

AS-06 ASX

Active subwoofer with Fohhn Aireas, 6.5", 109 dB SPL
max., 300 × 210 × 380 mm



Airea AS-06 ASX

The AS-06 ASX is the smallest active subwoofer of 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. It perfectly complements the nearfield speakers of the series within the network in the low end.



Main features

- 6.5" long excursion driver
- Airia Net Load: 150 W
- Extensive DSP and routing options via Fohhn Audio Soft
- Connections: 2 × RJ-45 (Fohhn Airia)
- Requires only a single CAT cable
- High-quality wood enclosure (multiplex birch plywood)
- Optionally available with weatherproof PU coating
- 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



Special colors
optional



Ball impact
resistant

Possible input interfaces for this product

AIREA

Technical data

Electroacoustic features

acoustic design	ultra-compact subwoofer, bass reflex
components	1 × 6.5" long excursion
maximum SPL	109 dB
cut-off frequency	40 Hz
upper crossover frequency	90 / 110 / 130

Features

enclosure	multiplex birch plywood
front design	acoustic foam in enclosure colour
weight	8 kg
protection grille	steel grille, ball impact resistant, powder-coated
standard colours	textured paint, black
mounting points	6 × M6 thread
connectors	2 × RJ-45
dimensions (W × H × D)	300 × 210 × 380 mm

Optional features

optional colours	RAL Classic / NCS / Pantone on request
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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 intern
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 intern

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 32kHz – 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
simulation beam	Bassarray

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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