Fohhn

Airea

AS-22 ASX

Active subwoofer with Fohhn Airea, 12", 119 dB SPL max., 520 × 420 × 430 mm



AIREA®

Airea AS-22 ASX



The AS-22 ASX is the most powerful, active subwoofer of 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. It perfectly complements the nearfield speakers and line source speakers of the series in the low end.

Main features

- 12" long excursion driver
- Airea Net Load: 200 W
- Extensive DSP and routing options via Fohhn Audio Soft
- 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
- 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 Airea **Special colors optional**

Possible input interfaces for this product

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For detailed information about all Fohhn technologies, color options and connections, please visit **www.fohhn.com/en/technologies**

Technical data

Electroacoustic features	
acoustic design	ultra-compact subwoofer, bass reflex
components	1 × 12" long excursion
maximum SPL	119 dB
cut-off frequency	38 Hz
upper crossover frequency	90 / 110 / 130 Hz

Physical features	
enclosure	multiplex birch plywood
connectors	2 × RJ-45
dimensions (w × h × d)	520 × 420 × 430 mm
weight	24 kg
standard colours	textured paint, black
front design	acoustic foam in enclosure colour
protection grille	steel grille, ball impact resistant, powder-coated
mounting points	6 × M6 thread

Optional features	
optional colours	RAL Classic / NCS / Pantone on request

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
signal/noise ratio	-6 dB Fullscale
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 200 W
power factor (PFC)	> 90 %
protection	integrated semiconductor fuse
low power	Green Power Standby Mode
emergency current	with extern USV
heat dissipation	200 W, 680 BTU/h, 172 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
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 (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
weight: net weight without optional equipment
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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