

# Airea

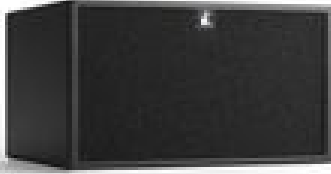
## AS-10 ASX

Active subwoofer with Fohhn Airera, 2 × 6.5", 115 dB  
SPL max., 430 × 250 × 380 mm



# Airea AS-10 ASX

The AS-10 ASX is a compact, active subwoofer from the Fohhn Airia system. It is connected via a network cable to a master module, through which it also receives the mains voltage and digital audio and control signals. It perfectly complements the nearfield speakers and line source speakers of the series in the low end.



## Main features

- 2 × 6.5" long excursion driver
- Airia Net Load: 200 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                | 2 × 6.5" long excursion              |
| maximum SPL               | 115 dB                               |
| cut-off frequency         | 42 Hz                                |
| upper crossover frequency | 90 / 110 / 130 Hz                    |

## Features

|                        |  |
|------------------------|--|
| enclosure              | multiplex birch plywood                            |
| front design           | acoustic foam in enclosure colour                  |
| weight                 | 14 kg  |
| protection grille      | steel grille, ball impact resistant, powder-coated |
| standard colours       | textured paint, black                              |
| mounting points        | 6 × M6 thread                                      |
| connectors             | 1 × RJ-45 in, 1 × RJ-45 link out                   |
| dimensions (W × H × D) | 430 × 250 × 380 mm                                 |

## 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  |
| 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 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   |
|                      | 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 32 kHz – 96 kHz, 16/24 Bit   |

## Remote control and remote monitoring

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|                   |   |
|-------------------|---|
| 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   |

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## Display LEDs

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|                                |   |
|--------------------------------|---|
| 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                                     |

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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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