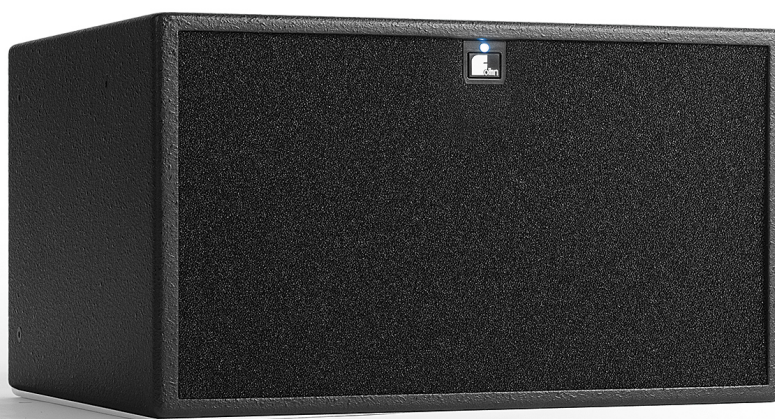# Fohhn

# Airea

## AS-10 ASX

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



**AIREA**®

# Airea AS-10 ASX

The AS-10 ASX is a compact, active subwoofer from 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

- 2 × 6.5" 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**

**AIREA**

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 | 2 × 6.5" long excursion |
| maximum SPL | 115 dB |
| cut-off frequency | 42 Hz |
| upper crossover frequency | 90 / 110 / 130 Hz |

## Physical features

| | |
|---|---|
| enclosure | multiplex birch plywood |
| connectors | 1 × RJ-45 in, 1 × RJ-45 link out |
| dimensions (w × h × d) | 430 × 250 × 380 mm |
| weight | 14 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 |
| 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 |

## 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