

Airea

AM-4.4

Fohhn Airia matrix, supplies up to 16 Airia loudspeakers, 1 U,
1/2 19"



Analog

AES/EBU

AIREA

 Dante™

Airea AM-4.4

The Airea matrix AM-4.4 is the central interface for Fohhn Airea active loudspeakers. It has both a 4 × 8 DSP mix matrix with Fohhn DSP and 4 Fohhn Airea Powered outputs for up to 16 loudspeakers. Remote control and monitoring is possible via Fohhn Net input or USB-C socket.



Main features

- 4 × 8 mix matrix
- 2 variants available: With analog inputs (AM-4.4 ANA) or Dante Input (AM-4.4 DAN)
- 2-channel AES/EBU input via Fohhn Airea connect
- Fohhn Airea powered outputs (4 × 200 W Airea Net Load)
- Fohhn DSP for every input and output channel
- Two switch contacts inputs for simple integration
- Q-SYS Plugin available in combination with Fohhn NA-4 or ABX-6
- 9.5", 1 U housing with status LEDs
- Mounting brackets for rack included



Available with the following color options



Black

Equipped with the following Fohhn technologies



Fohhn Airea



Fohhn DSP
inside

Possible input interfaces for this product

Analog

AES/EBU

AIREA

@Dante

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

Technical data

Physical features

dimensions (w × h × d)	211 × 45 × 330 mm, 1 HE / 1/2 19"
weight	2,05 kg

Electronic features

system latency	1.2 ms
DSP routing (matrix)	4 × 8
frequency response	5 Hz – 20 kHz
signal/noise ratio	>140 dB/A
THD+N	0,00005%
dynamic range	>140 dB
password protection	yes
protective circuit	over voltage protection, over current protection, over temperature protection, short-circuit protection, DC protection, power on delay, soft start and inrush current limit
power supply	100 – 240 V AC 50/60 Hz, universal power supply with Power Factor Correction (PFC)
Airea Net Load total	4 × 200 W
power consumption	Maximum (RMS) 500 W, Standby 5 W
heat dissipation	Max. 15 W, 51 BTU/h, 13 kcal/h
temperature range	0 – 40° C
cooling	temperature controlled fan

Controller

digital signal processors	1
independent limiters	12
FIR filter	yes
input gain	–80 dB – +12 dB
routing gain	–80 dB – +12 dB
output gain	–80 dB – +12 dB
EQ	10-band parametric EQ, gain, +/-12 dB, frequency 10 – 20 kHz, Q 0.1 – 100
limiter / compressor	12
noise gate	12
delay	highpass 10 Hz – 20 kHz, lowpass 10 Hz – 20 kHz, 8 × 0 – 72 ms, (0 – 25 m) outputs, 4 × 0 – 30 ms, (0 – 10 m) inputs
X-over	8 × Linkwitz/Riley 4th order, 24dB/oktave
user presets	100
filter technology	80-bit double precision
input DSP processing	yes

Remote control and remote monitoring

remote control	Fohhn Net over RS-485, USB-C
remote monitoring	temperature, protect, power supply
switching contact	Load Preset, Standby On/Off

Connections and controls

mains connection	1 × C14 IEC socket
switching contact 1 and 2	1 × phoenix 3-pin
outputs	4 × RJ45, Fohhn Airea powered
USB Config	1 × USB-C socket

Display (rear)

receive / send LED	remote control
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Input interface analog

inputs	4 × analog
signal inputs	analog, max. signal +18 dBu, phantompower (24 V DC) switchable
THD	< 0,005 % typ. < 0,003 % 1 kHz 0 dBu
S/N ratio	> 108 dB/A
latency	1,0 ms
frequency response	20 Hz – 20 kHz
input impedance	10 kOhms

weight: net weight without optional equipment

heat dissipation: pink noise, 6 dB crest, 1/4 Pmax

Input interface Dante (DAN)

Input interface Dante (DAN)	
inputs	1 × RJ-45 100BASE-T Ethernet, Dante, 4 × 48 kHz
latency	Dante + 0.6 ms
support for AES67	yes



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