

# System Amplifiers

## MA-2.1200

System amplifier for fixed installations, 2 × 1200 W, 1 U, 19"



Analog

AES/EBU

AIREA®

Dante™

# System Amplifiers MA-2.1200

The MA-2.1200 is a compact 2-channel digital amplifier with a  $4 \times 2$  routing matrix. It forms a powerful and reliable component in your fixed installation and is extremely flexible and cost-efficient. The integration in media controls and audio networks is possible without difficulty and the configuration can also be done very easily via a USB-C socket with Fohhn Audio Soft.



## Main features

- Output power:  $2 \times 1200 \text{ W}$  /  $4 \text{ ohms}$  /  $100 \text{ V}$  /  $70 \text{ V}$
- Available in two variants: With Analog Inputs (MA-2.1200 ANA) or Dante Input (MA-2.1200 DAN)
- Compact and light: 1 U, 5.2 kg
- Mounting brackets for rack included
- Two freely programmable switching contacts
- With Fohhn Airea connection
- Can be remotely operated and controlled over Fohhn Net
- Q-SYS Plugin available in combination with Fohhn NA-4 or ABX-6
- Temperature controlled, low noise fan
- Auto Power Save for minimum standby power requirements
- Fohhn speaker presets ensure maximum safety, reliability and excellent sound quality



Available with the following color options



Black

Equipped with the following Fohhn technologies



Fohhn Airea



Fohhn DSP  
inside



100 V optional



Auto Power  
Save



Power Sharing

Possible input interfaces for this product

**Analog**

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# Technical data

Physical features	
dimensions (w × h × d)	1 U / 19", 440 × 45 × 370 mm
weight	5.2 kg
Electronic features	
amplifier technology	Class D
amplifier outputs	2
DSP routing (matrix)	4 × 2
frequency response	20 Hz – 20 kHz
signal/noise ratio	> 103 dB (A)
THD+N	0,15 % (1 kHz, 8 ohms, 3 dB below clipping)
dynamic range	> 120 dB
password protection	yes
auto power save	adjustable from 1 s to 12 h, or never active
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)
power consumption	maximum 700 W, idle state 45 W, Auto Power Save 2 W, standby 2 W
heat dissipation	max. 120 W, 410 BTU/h, 104 kcal/h
temperature range	0 – 40°C
cooling	temperature-controlled fan
output power	2 × 1200 W / 4 ohms, 2 × 600 W / 8 ohms (1 kHz, THD+N < 1 %)
minimum impedance	4 ohms
input channels	4

Controller	
digital signal processors	1
independent limiters	20
FIR filter	yes
input gain	-80 dB – +12 dB
routing gain	-80 dB – +12 dB
output gain	-80 dB – +12 dB
EQ	8 × 10 fully parametric filters, gain +/-12 dB, frequency 10 Hz – 20 kHz, Q 0.1 – 100
selective 3-band limiting	bass / mid / high
limiter / compressor	8
noise gate	8
delay	4 × 0 – 145 ms (0 – 50 m) outputs, 4 × 0 – 30 ms (0 – 10 m) inputs
X-over	8 × Linkwitz/Riley 4th order, 24dB/oktave, highpass 10 Hz – 20 kHz, lowpass 10 Hz – 20 kHz
user presets	100
speaker presets	100
system latency	1.2 ms
band-specific time constants	yes
filter technology	80-bit double precision
input	AES/EBU 32 kHz – 96 kHz, 16/24 bit
input DSP processing	yes

Remote control and remote monitoring	
remote control	Fohhn Net over RS-485, Fohhn Audio Soft, USB-C
remote monitoring	temperature, protect, signals, power supply, Fohhn Net, Fohhn Audio Soft
switching contact	load preset, standby on / off

Display (front)	
ready LED	blue = power on, blue flashing = sign
protect LED	red = error / protect / standby
USB Config LED	blue = host, remote control over USB

Connections and controls	
mains connection	1 × C14 IEC socket
switching contact 1 and 2	1 × Phoenix 3-pin
Airea Net	1 × RJ-45
outputs	1 × Phoenix 4-pin, max. 3.3 mm <sup>2</sup> flexibel, 3.3 mm <sup>2</sup> rigid
USB Config	1 × USB-C socket

## Display (rear)

receive / send LED	remote control, Fohhn Net
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## Input interface analog

inputs	4 × analog
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signal inputs	analog, max. signal +18 dBu, phantom power (24 V DC) switchable
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THD	< 0,005 % typ. < 0,003 % 1 kHz 0 dBu
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S/N ratio	> 108 dB/A
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latency	1.0 ms
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frequency response	20 Hz – 20 kHz (+/- 0,3dB @ 8 Ohm)
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input impedance	10 kOhms
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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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