

Systemforstærkere

MA-4.100

Kompakt systemforstærker til faste installationer, 4 × 65 W, 1 HE, 9,5"



Analog

AES/EBU

AIREA®

Dante™

Systemforstærkere MA-4.100

MA-4.100 er en kompakt 4-kanals digital effektforstærker til medieapplikationer og små lydsystemløsninger. DSP-forstærkeren med en 4 × 4-matrix er ideel til f.eks. konference- og kursuslokaler samt til installation i mediemøbler. Den kan nemt integreres i mediekontrollen via RS-485 og kan nemt konfigureres med Fohhn Audio Soft via et USB-C-stik.



Main features

- 4 × 100 W peak / 4 ohm
- Fås i to varianter: Med analoge indgange (MA-4.100 ANA) eller Dante Indgang (MA-4.100 DAN)
- Kompakte dimensioner: 9,5" / 1 U, 170 mm installationsdybde
- Monteringsbeslag til rack medfølger
- Omskiftelig fantomkraft på hver indgangskanal
- To frit programmerbare koblingskontakter
- Med Fohhn Airea forbindelse
- Kan fjernbetjenes og styres via Fohhn Net
- Q-SYS Plugin fås i kombination med Fohhn NA-4 eller ABX-6
- Temperaturstyret, støjsvag ventilator
- Auto Power Save for minimumskrav til standbyeffekt
- Fohhn-højttalerforindstillinger sikrer maksimal sikkerhed, pålidelighed og fremragende lyd kvalitet



Fås med følgende farvevarianter



Sort

Udstyret med følgende Fohhn-teknologier



Fohhn Airea



Fohhn DSP inde
på



Auto Power
Save



Power Sharing

Mulige indgangsinterfaces for dette produkt

Analog

AES/EBU

AIREA

 **Dante**

Tekniske data

Physical features	
dimensions (w × h × d)	1 U / 1/2 19", 211 × 45 × 170 mm
weight	1.2 kg
Electronic features	
amplifier technology	Class D
amplifier outputs	4
DSP routing (matrix)	4 × 4
frequency response	20 Hz – 20 kHz
signal/noise ratio	> 103 dB/A
THD+N	0,08% (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 300 W, idle state 7 W, Auto Power Save 2 W, standby 2 W
heat dissipation	max. 15 W, 51 BTU/h, 13 kcal/h
temperature range	0 – 40 °C
cooling	temperature-controlled fan
output power	4 × 65 W / 4 ohms, 4 × 35 W / 8 ohms (1 kHz, THD+N
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	Analog or DANTE 32 kHz – 96 kHz, 16/24 bit, AES/EBU
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 × RJ45
outputs	1 × Phoenix 8-pin, max. 3.3 mm ² flexibel, 3.3 mm ² 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, phantompower (24 V DC) switchable
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THD

S/N ratio	> 108 dB/A
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latency	1,0 ms
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frequency response	20 Hz – 20 kHz
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input impedance	10 kOhms
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vægt: nettovægt uden ekstraudstyr

varmeafgivelse: lyserød støj, 6 dB crest, 1/4 Pmax

Indgangsgrænseflade 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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