

Focus Modular

DFM-400

带光束转向的有源中低端模块，32 × 4"。



AES/EBU

AIREA

Focus Modular DFM-400

DFM-400 是一个有源中低频模块，采用Fohhn波束转向技术，它可以灵活地与高频模块DFM-100 / DFM-110组合。我们著名的新一系统现在已经完全数字化，并提供进一步开发的Fohhn DSP和数字信号连接。经过声学上的重新设计，配备了更加强大的驱动器，DFM提供了出色的、发烧级的声音和最佳的语言清晰度。一个高品质和高性能的解决方案，适用于大型会议室、剧院甚至是露天音乐会。而所有这一切都与一个仅有约22厘米宽的箱体有关，由于采用了波束转向技术，它可以直接吊挂并无缝集成。 DFM-100 DFM-110 Focus Modular Fohhn DSP

Main features

- 32 × 4 "长振幅扬声器，钕铁硼
- 16个集成D类放大器
- 优化的Fohhn DSP 内部结构
- 从输入到放大器的全数字信号流
- Q-SYS插件可用于Fohhn NA-4 或 ABX-6。
- 单模块最大声压级：134 dB (94 dB @ 100 m)
- 频率范围。55 Hz - 1,7 kHz
- 通过Fohhn Audio Soft，可实时控制声音垂直分布
- 垂直波束宽度：0°到90°，声音倾斜角度：-40°到+40°（以0.1°为单位步进调整）。
- 可以控制两个独立的光束
- Fohhn无旁瓣技术
- 由于采用了Fohhn快锁系统，使得安装非常容易。

有以下颜色可供选择



黑色



白

配备了以下Fohhn技术



Fohhn Beam
Steering
Technology



傅汉文Airead



Fohhn DSP 内幕



可吊挂的产品



特殊颜色可选



自动省电模式

该产品可能的输入接口

AES/EBU

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技术数据

Electroacoustic features	
acoustic design	electronically steerable line array speaker
components	32 × 4" long excursion speakers, neodymium
maximum SPL	134 dB (94 dB @ 100 m)
frequency range	55 Hz – 1.7 kHz
operational mode	active, 16-channel DSP-amplifier, Class-D
horizontal dispersion	90°
vertical beam width, digitally controlled	0° – 90° in 0,1° increments
vertical inclination angle, digitally controlled	–40° – +40° in 0,1° increments
acoustic centre	0% (bottom) to 100% (top) movable, both beams
Physical features	
enclosure	multiplex birch plywood, Aluminium
dimensions (w × h × d)	224 × 1636 × 274 mm
weight	42 kg
standard colours	textured paint / powder coating, black
front design	hexagonal perforated steel grille in enclosure colour, backed by acoustically transparent foam
protection grille	steel grille, ball impact resistant, powder-coated
mounting points	integrated flying tracks, 4 × M8-threads at rear
Optional features	
optional colours	RAL Classic / NCS / Pantone on request
CAAD simulation data	
simulation data	EASE, Fohhn Designer

Electronic features	
amplifier type	Pure Path Digital PWM
audio inputs	AES/EBU
audio outputs	AES/EBU
amplifier power	16 × 120 W
DSP channels	16
frequency response	20 Hz – 20 kHz
signal/noise ratio	>105 dB/A
auto power save	adjustable from 1 s to 12 h, or never active
protective circuit	soft start, overtemperature, short circuit, overload
power supply	100 V – 240 V AC 50/60 Hz, power supply with Power Factor Correction (PFC)
inrush current	7,5 A (230 V) / 3,8 A (115 V)
power consumption	500 W RMS, idle 30 W, standby 10 W
heat dissipation	150 W, 517 BTU/h, 129 kcal/h
temperature range	0 – 40° C
cooling	temperature-controlled fan
weight (electronics)	6 kg
Controller	
digital signal processors	2
independent limiters	6
FIR filter	yes
gain	–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	input: 0 – 350 ms (0 – 120 m); output: 0 – 640 ms (0 – 220 m)
X-over	Linkwitz-Riley 4th order (24 dB / octave), high pass 10 Hz – 20 kHz, low pass 10 Hz – 20 kHz
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 Audio Soft, Fohhn Net
remote monitoring	temperature, protect, power supply, Fohhn Net, Fohhn Audio Soft, AES/EBU signals
simulation beam	Fohhn Net, Fohhn Audio Soft

Connections and controls	
controls	mains switch (remote-controllable via Airea Connect)
mains connection	1 × PowerCON mains in, 1 × PowerCon mains out
inputs	1 × etherCON Airea Connect / stack link, 1 × XLR AES/EBU, 1 × etherCON Fohhn Net
outputs	1 × etherCON stack link, 2 × XLR AES/EBU, 2 × etherCON Fohhn Net
signal inputs	AES/EBU 32 kHz – 96 kHz, 16/24 bit
signal outputs	AES/EBU link-out from input

Display LEDs	
Sign LED (connector panel and front grille)	blue = power on, blue flashing = sign
status LED	green = ready, red = protect / standby, red flashing = fault
receive / send LED	receive / send remote control LED
audio error LED	red = no AES/EBU
remote power LED	green = Airea Connect active, remote power on
on (stack link) LED	green = stack link active

额定功率（峰值）；最大声压级：峰值，20毫秒，带通滤波粉红噪声信号，符合IEC 60268-2标准，频率范围下限以上一个八度，扬声器预设
 频率范围：-10分贝，在消声半空间条件下，扬声器预设
 重量：净重，不含可选设备
 散热：粉红噪声，6分贝波峰，1/4 Pmax
 标称频散：与主频散轴相比，-6分贝

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