

Media

Hybrid-1

Active loudspeaker, 4" chassis with high frequency waveguide and bass-reflex port, 2 × 65 W RMS, 102



Media Hybrid-1

In these days, not all participants of meetings or training courses attend physically anymore. In such hybrid situations in a coworking space or seminar room, it is important that people connected via video are easy to understand. Thanks to special waveguides and Fohhn DSP, Hybrid-1 enables an exceptionally natural speech intelligibility throughout the entire room - for video conferences and applications with a speaker's microphone. The integrated bass reflex system also ensures a rich and room-filling sound when playing media sound. The active loudspeaker system can easily be combined with other media components to form a standardized system.



Main features

- Ideal solution for standardized media technology and UCC
- Even sound dispersion (100° vertical and horizontal) and best speech intelligibility thanks to the coaxial Fohhn high-frequency diffraction waveguide
- Room-filling sound with powerful bass reproduction down to 46 Hz
- Effortless sound reinforcement over distances of up to 10 meters
- Flexible sound adjustment and maximum operational reliability with Fohhn DSP
- Perfect integration into the room architecture and in media steles
- Simple installation on walls, ceilings and displays (horizontal & vertical)
- Resistant to vandalism thanks to the robust metal enclosure and mounting brackets
- Integrated Fohhn amplifier (2 × 65 W RMS) can supply additional "Hybrid-1 passive"



Available with the following color options



Black

Equipped with the following Fohhn technologies



Fohhn Texture
Design



Fohhn DSP
inside



Special colors
optional



Auto Power
Save

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

Technical data

Electroacoustic features

acoustic design	aktive speaker, broadband, vented
components	4" high performance speaker with coaxial Fohhn high frequency diffraction waveguide
maximum SPL	102 dB
nominal dispersion (h × v)	100° × 100°
frequency range	46 Hz – 20 kHz

physical features

enclosure	aluminum
front design	front grille in enclosure colour
protection grille	steel grille, ball impact resistant, powder-coated
weight	3.2 kg
standard colours	black or white, powder-coated
mounting points	continous T-slot
dimensions (W × H × D)	approx. 133 × 590 × 128 mm

Optional features

optional colours	RAL Classic / NCS / Pantone on request
------------------	--

Electronic features

amplifier technology	Class D – Pure Path Digital PWM
system latency	0.7 ms
amplifier power	2 × 65 W RMS / 2 × 100 W peak (1 kHz, THD+N < 1%)
frequency response	20 Hz – 20 kHz
signal/noise ratio	> 103 dB
THD+N	0.08 % (1 kHz, 8 ohms, 3 dB under clipping level)
dynamic range	> 120 dB
auto power save	adjustable from 1 s to 12 h, or permanently 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

Controller

FIR filter	yes
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	2 × 0 – 145 ms (0 – 50 m)
X-over	yes
system latency	1.2 ms
filter technology	80-bit double precision

Connections and controls

inputs	2 × analog (symmetrical with clamp); asymmetrical with cinch
mains connection	1 × IEC connector
outputs	1 × 2-pin terminal (powered output for additional passive speaker for stereo)
USB Config	1 × USB-C socket

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

frequency range: -10 dB under anechoic halfspace-conditions

weight: net weight without optional equipment

nominal dispersion (h × v): -6 dB compared to the main dispersion axis, averaged 1 – 4 kHz

Fohhn Audio AG
Großer Forst 15
72622 Nuertingen
Germany

Phone +49 7022 93323-0
Fax +49 7022 93324-0
www.fohhn.com
info@fohhn.com



