

# Media

## Hybrid-1

Active loudspeaker, 4" chassis with high frequency waveguide and bass-reflex port, 2 × 70 W RMS, 102 dB SPL max.



# 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 music or videos. The active loudspeaker system can easily be combined with other media components to form a standardized system. Hybrid-1 is the winner of the AVard 2022 in the category sustainability.

## 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 wall or ceiling (horizontal & vertical)
- Mounting bracket WS-4 included in delivery
- Resistant to vandalism thanks to the robust metal enclosure and mounting brackets
- Integrated Fohhn amplifier (2 × 70 W RMS) can supply additional "Hybrid-1 passive"
- 5 years warranty



Available with the following color options



Black



White

Equipped with the following Fohhn technologies



Fohhn DSP  
inside



Special colors  
optional



Auto Power  
Save

For detailed information about all Fohhn technologies, color options and connections, please visit [www.fohhn.com/en/technologies](http://www.fohhn.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
dimensions (w × h × d)	approx. 133 × 590 × 128 mm
weight	4.1 kg
standard colours	black or white, powder-coated
front design	front grille in enclosure colour
protection grille	steel grille, ball impact resistant, powder coated
mounting points	continous T-slot

Optional features	
optional colours	RAL Classic / NCS / Pantone on request

CAAD simulation data	
simulation data	EASE, CLF, Fohhn Designer

Electronic features	
amplifier technology	Class D – Pure Path Digital PWM
amplifier power	2 × 70 W RMS / 2 × 100 W peak (1 kHz, THD+N < 1%)
frequency response	20 Hz – 20 kHz
signal/noise ratio	> 110 dB (A-weighted)
THD+N	0.02 % (1 kHz, 8 ohms, 3 dB under clipping level)
dynamic range	> 130 dB
auto power save	adjustable from 1 s to 12 h, or permanently active
protective circuit	overvoltage protection, overcurrent protection, overtemperature protection, short circuit protection, DC protection, power-on delay, soft start and inrush current limitation

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, with speaker preset

frequency range: -10 dB under anechoic halfspace-conditions with speaker preset

weight: net weight without optional equipment

nominal dispersion: -6 dB compared to the main dispersion axis

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