



hd x81-Series

Universal Loudspeaker

The **hd x81-Series** are lightweight, compact and decent designed 2-way passive loudspeakers and consists of the universal loudspeakers **hd 181** and the Low-Profile-Monitor **hd 281M**. The combination of 8” low-frequency-woofer and 1” high-frequency-driver provides excellent dynamics, hi-fi sound and linearity of the speaker cabinet. The specially designed 8” ferrite woofer is perfect for reproducing voice and instruments due to its fast attack and decay. The powerful 1” driver with Kapton diaphragm provides improved HF reproduction and produces a uniform dispersion of 80 ° x 60 ° with the BEM / FEM optimized elliptical horn.

The speaker cabinet is made of high-quality birch multiplex and provided with a shock, scratch and weatherproof polyurethane plastic coating. Ergonomic handles allow easy transport.

The loudspeaker components are protected by a sturdy, rustproof, coated steel grille with deposited acoustic foam. A variety of M8 inlet threads and a pole flange allow usage on a distance rod or tripod or with a flight and swivel bracket. The NL4 Speakon sockets mounted on the back of the connection panel are used to connect and link the input signal. The speaker cabinet is available in the RAL colors and outdoor options.

The **hd 8CXN** is a passive 2-way system equipped with a bass-reflex 8” neodymium midrange speaker and a 1” neodymium high-frequency driver. Operation is possible via any power amplifier - even without DSP - and makes the hd 8CXN the optimal solution for high-quality mobile or permanently installed public address applications in, for example, industrial events, theaters or sports facilities.



hd 8CXN
Koaxiallautsprecher



hd 181
Universallautsprecher



hd 281M
Low-Profile-Monitor

Key Features

- usable without DSP
- frequency and phase response optimized crossover
- coverage pattern 80° x 60°
- lightweight compact enclosure
- HiFi-sound
- superb speech intelligibility
- reduced power-compression
- elegant design

Applications

rental companies, concert halls, mobile use, broadcast discotheque, sports arenas , KTV, A/V installations

Options

RAL color, various mounting options, outdoor, transport cover

for extended low frequency usage

hd Sub-Series, hd P-Series

Model	Type	Transducers	Impedance	Power Rating RMS / Peak	Sensitivity (1W / 1m)	SPLmax	Freq. Range (-6dB)	Weight	Dimensions W x H x D (mm)
8CXN	Coax	8”N / 1”N	8 Ω	280 / 800 W	97 dB	125 dB	70 Hz - 22 kHz	8 kg	240 x 360 x 220
181	mid/high	8” / 1”	8 Ω	250 / 500 W	94 dB	121 dB	95 Hz - 20 kHz	12 kg	245 x 430 x 280
281M	Monitor	2x 8” / 1”	8 Ω	500 / 1000 W	100 dB	124 dB	65 Hz - 20 kHz	19 kg	500 x 350 x 430