

hd M4 PointSource Stick



- > passive 1-Way PointSource Stick with 4x 2"
- > coverage 100° x 50°
- > precise and smooth coverage
- > superb speech intelligibility
- > decent integration into architecture
- > weight 3 kg

The hd M-Series are design column speakers with point source wave propagation characteristics. The elegant enclosures are made out of strength aluminum to prevent resonances in the audible frequency range and is available with different surfaces e.g. powder coated, anodized or varnished and numerous colors. This guarantees an unobtrusive integration into churches, conference rooms or theatres. The hd M-Series consists of the ultra compact model hd M2 that is equipped with two 2" drivers for nearfield or speech applications and the slightly larger hd M4 as a fill loudspeaker in church applications or the hd M8 as a very compact main loudspeaker in conference or music applications. The amount of integrated drivers is easily noticeable in the product suffix to get a quick identification for the end-user and design engineer of the size, application and power capacity of the loudspeakers. All loudspeakers can be used in distributed high voltage applications with the 100V-option which is also available. The main difference between the hd ML-Series

and the hd M-Series is the different vertical dispersion and wave propagation characteristics. Whenever there is a much wider vertical dispersion needed than available with the ML-Series with their beamed sound, then hd M-Series is the right choice with their wide vertical dispersion using the same drivers and the same outer appearance as the hd ML-Series. All loudspeakers can be used in distributed high voltage applications with the 100V-option. Up-to-date transformers guarantee great audio performance even over large distances and with small cable cross sections. Multiple power taps enable the adjustment of level. External processing is required. For superb and linear reproduction of a sound event from the fundamental to the highest audible frequencies conventional loudspeakers have to use different types of drivers to reproduce the whole frequency range. The result is incoherence and phase shifts in the mid-range due to different diaphragm masses, varying transient behaviors and decay times of the different sized drivers.

According to the true 1-way design, the M-Series is free of interference in the important mid-range because there are no phase delays since every speaker has the same signal and the same characteristics. The result is an outstanding sound quality in music and speech, extended dynamic and even coverage of audience areas. Various mounting solutions are available with the standardized U-slot from bottom to top at the rear of the column speaker. M6 square nuts can be inserted easily to use tilt and swivel wall mounts or stand adaptors for fixed installations or mobile use. A standard Neutrik NL4MP is located at the bottom plate for input connection in mobile applications whereas a terminal block is on the inside for fixed installations. The protective design grill with deposited acoustic foam is also available in the same finish like the housings to ensure perfect protection against splash water or damage and unobtrusive integration into any room architecture. The hd M-Series is also available in custom lengths to fulfill every projects needs.

Features

- point source characteristics
- elegant design
- precise and smooth coverage
- radiation pattern 100° x 50°
- superb speech intelligibility
- decent integration into architecture
- custom sizes available
- 100V-version available

Options

RAL colors, various mounting and connection solutions, 100V-version, custom sizes

Applications

conference rooms, houses of worship, concert halls, live music, broadcast, A/V installations

suggested subwoofers

hd Columns, hd C-/M-/ML-/PLSeries, hd Beam-Series

Specifications

Model	hd M4
Principle	PointSource
Transducers	4x 2" fullrange chassis
Crossover	active at 170 Hz
Power Rating (RMS / Peak)	100 W / 140 W
Frequency Response	150 Hz – 20 kHz
Sensitivity (1 W / 1 m)	92 dB
SPLmax (1 m)	116 dB
Coverage	horizontal 100° x vertical 50°
Impedance	4 or 16 Ohms
Connection	terminal block inside or Speakon NL4
Dimensions (B x H x T)	86 x 545 x 86 mm
Weight	3 kg
Enclosure	powder coated aluminum steel grille U-slot at rear side
Options	RAL-colors flange 3/8" thread