

# hd M-Series

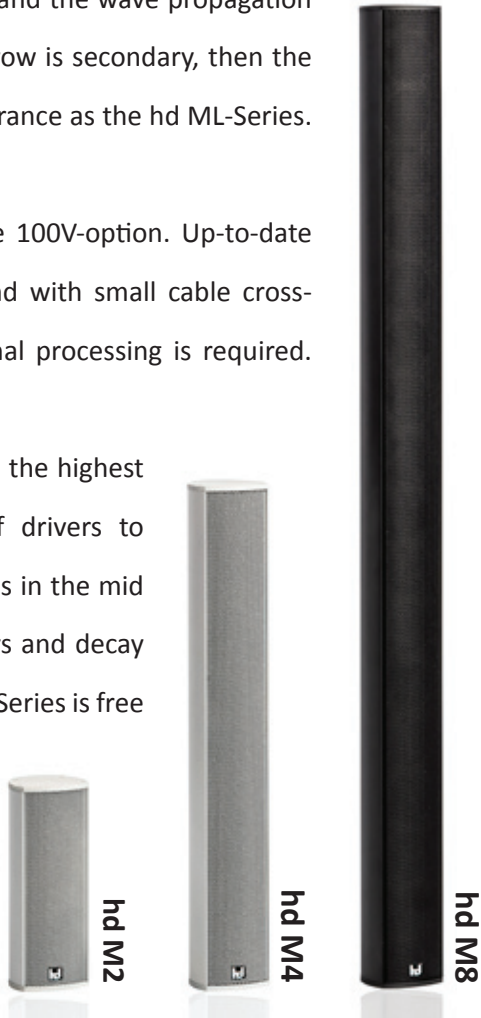
## PointSource Stick

The **hd M-Series** are design column speakers with PointSource wave radiation characteristics. The elegant housings are made out of strength aluminum to prevent resonances in the audible frequency range. They are available in various surface structures e.g. powder coated, anodized or varnished in RAL colors. This guarantees an unobtrusive integration into existing spatial architecture of churches, conference rooms or theatres.

The hd M-Series consists of the ultra compact **hd M2**, with two 2” drivers which is ideally suited for near field or voice applications, the slightly larger **hd M4** for example as a fill loudspeaker in church and the **hd M8** as a very compact main loudspeaker in conference or music applications. The number of integrated speakers is easy detect in the product’s suffix and allows quick classification of the size, application and power capacity of the end-user and planner. All loudspeakers can be used in distributed high voltage applications with the 100V-option which is also available. The difference between the the hd M- and hd ML-Series is the vertical beam angle and the wave propagation characteristics. Whenever there large vertical dispersion is required and the throw is secondary, then the hd M series is the right choice 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 long distances and with small cable cross-sections. Multiple power taps speaker allow you to adjust the volume. External processing is required.

For superior and linear reproduction of a sound event from the fundamental to the highest audible frequencies conventional loudspeakers must use different types of drivers to reproduce the entire frequency range. The result is incoherence and phase shifts in the mid frequency 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 hd M-Series is free of interference in the important mid-range because there are no phase shifts as each speaker has the same signal and characteristics. The result is an outstanding sound quality in music and speech, enhanced dynamics and even coverage of audience areas.



Various mounting solutions are available with the full-length U-slot at the backside 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 Neutrik NL4MP Speakon is located on the bottom plate for input connection in mobile applications, while a terminal block for fixed installations is located on the inside. On the bottom there is an optional built-in pole flange .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 all project requirements.

Safely flown applications are possible with an optional clamp or half-coupler for mounting on the loudspeaker column. Robust padded transport bags or lightweight double-cases with wheels provide adequate protection during transport.



### Key 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

### Applications

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

### Options

RAL color, various mounting and connection solutions, 100V-version, custom length, transport bag

### suggested subwoofers

hd Slim265, hd Sub12, hd P12stereo, hd Sub15, hd P15

Model	Type	Transducers	Impedance	Power Rating RMS / Peak	Sensitivity (1W / 1m)	SPLmax	Freq. Range (-6dB)	Weight	Dimensions W x H x D (mm)
M2	PointSource	2x 2”	8 Ω	50 / 70 W	89 dB	113 dB	170 Hz - 20 kHz	2 kg	80 x 205 x 78
M4	PointSource	4x 2”	4 / 16 Ω	100 / 140 W	92 dB	116 dB	150 Hz - 20 kHz	3 kg	80 x 553 x 78
M8	PointSource	8x 2”	8 / 32 Ω	200 / 280 W	95 dB	119 dB	130 Hz - 20 kHz	5 kg	80 x 1000 x 78