



Cardioid expansion modul hd MLC

Reduced susceptibility to feedback



hd MLC

Cardioid Add-On for optimized directivity and reduced susceptibility to feedback

The hd MLC cardioid expansion module is available for demanding applications in mobile and fixed installations, effectively attenuating the back radiated frequency components by up to 20 dB. The further optimized directivity of the column speaker by the cardioid module thus considerably reduces the feedback susceptibility in the low-mid range and at the same time improves speech intelligibility, since no sound energy is radiated diffusely into unwanted areas. The hd MLC module is mounted directly on the back of the hd ML-/PL-Series LineArray Stick and operated via a separate amplifier channel. Cardioid or hypercardioid characteristics can be easily retrieved via the corresponding DSP preset. In addition to the reduction of the back radiated sound energy, the hd MLC cardioid module also extends the sound pressure in the low-midrange in the audience direction. This makes the sound even more punchy and dynamic with the same line length. A Speakon jack is located on the bottom plate for connecting inputs in mobile applications. A 35 mm flange allows the standalone use as a main speaker on a tripod.



hd MLC Datasheet

Features

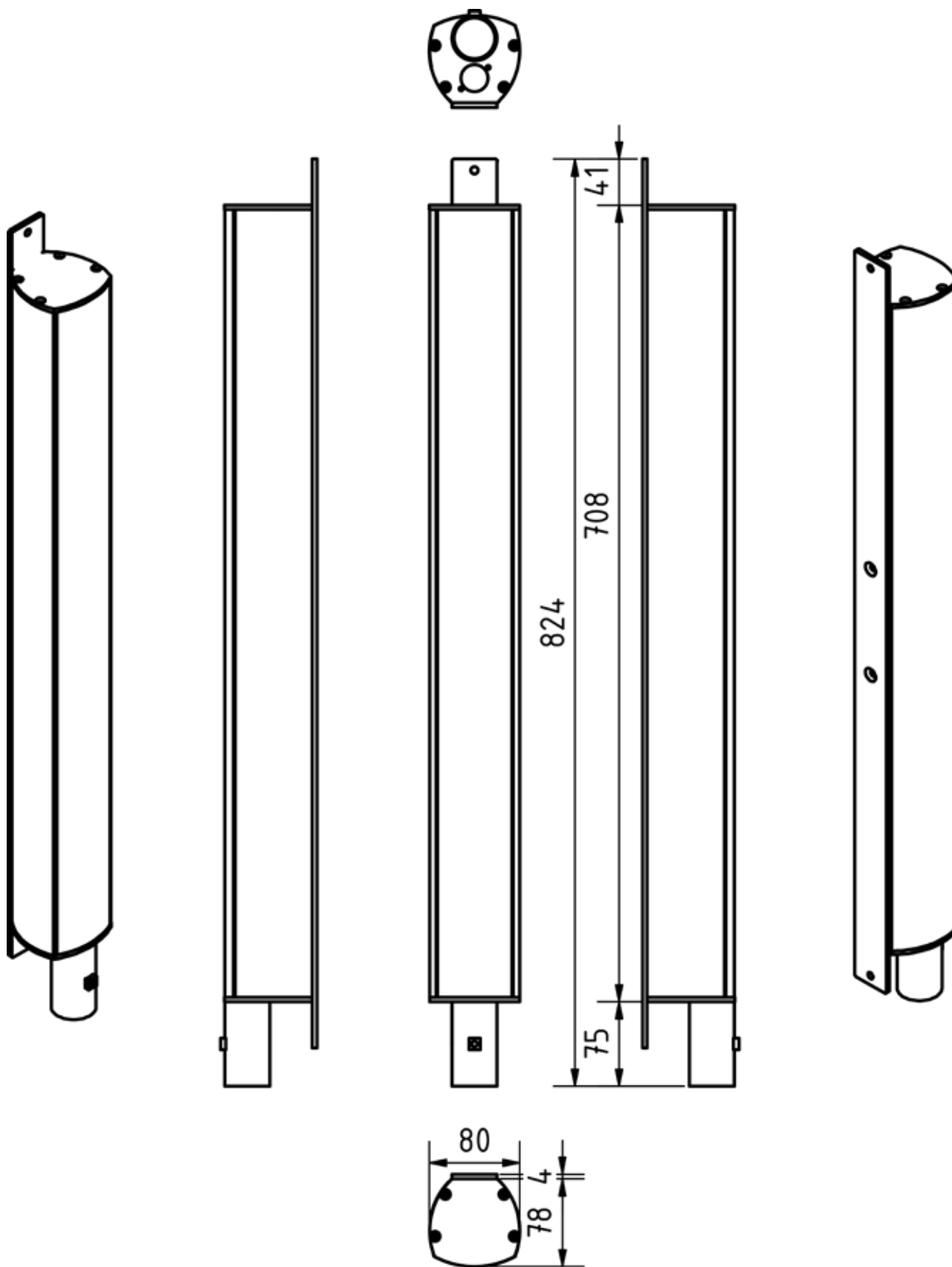
- PointSource or Cardioid Add-On
- Standalone beam angle 100° x 40°
- enables (hyper-) cardioid hor. radiation together with hd ML-/PL-Series main loudspeaker with reverse attenuation up to 20 dB
- enables high speech intelligibility
- custom designs possible

Applications

Restaurants, bars, airports, train stations, conference rooms, hotels, A/V installations, multimedia applications, meeting rooms, TV studios, churches, live music, concert halls, radio

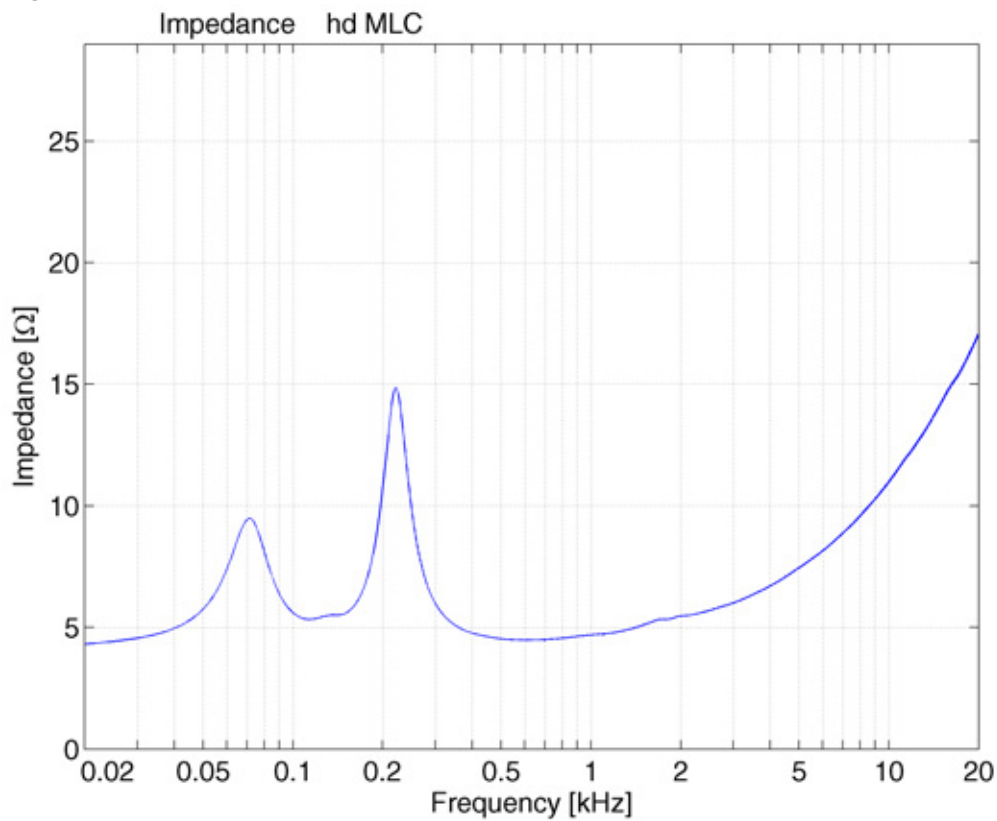
Model	hd MLC
Order number	60206
Acoustic design	Cardioid Add-On / PointSource
Transducers	9x 2" fullrange chassis
Impedance	4 Ω
Coverage (hor x ver)	cardioid, hypercardioid / 100° x 40°
Frequency range (-6 dB)	90 Hz - 1200 Hz / 90 Hz - 20 kHz
Sensitivity (1W / 1m)	89 dB
Power Rating AES / Peak	225 / 315 W
SPLmax @ 10% THD	117 dB
Enclosure	powder-coated aluminum profile black, steel grille with acoustic foam, 1x Speakon NL4 + 35 mm flange on bottom cover, mounting rail incl. 2x knurled screw
Optional Accessories	RAL-Color (Art. 1070), special length (Art. 40710/40711), weather resistant (Art. 40610)
Weight	5 kg
Dimensions (W x H x D)	80 x 708 x 78 mm

Dimensions [mm]

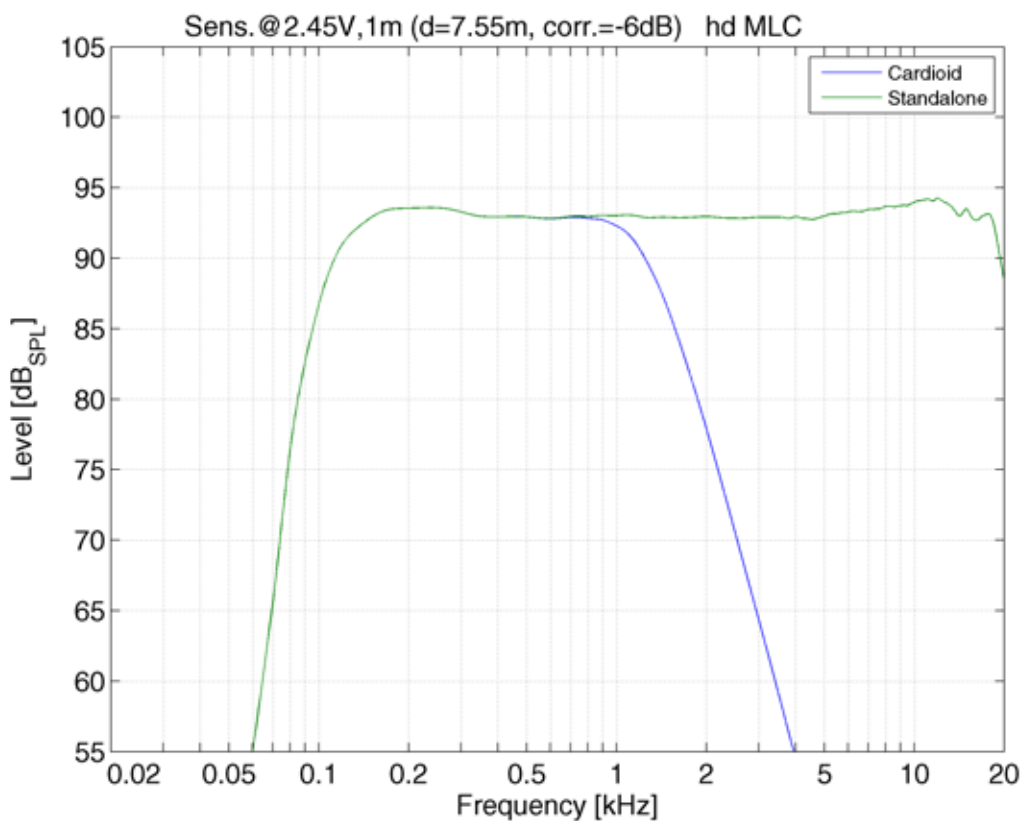


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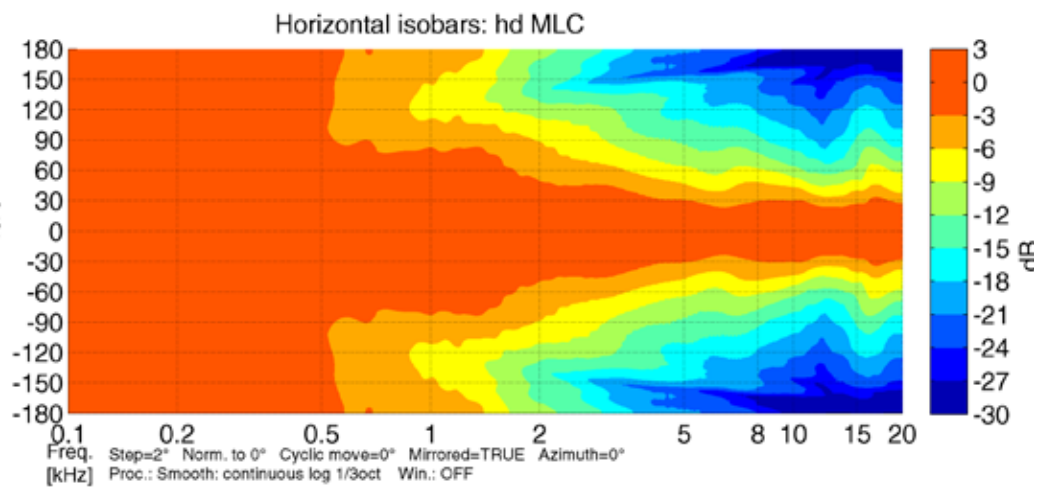
Impedance



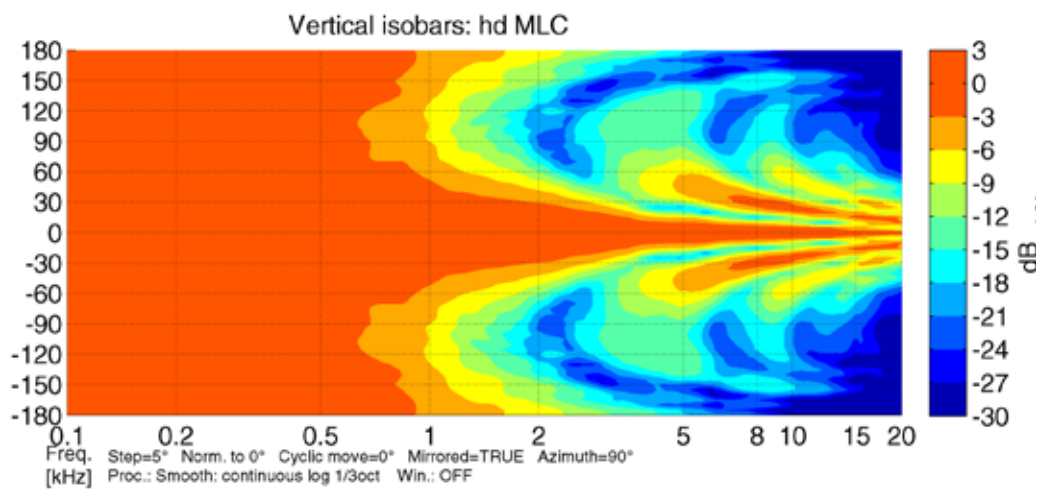
Frequency response with DSP preset



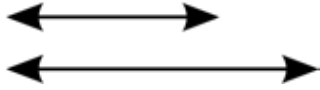
Horizontal Isobars



Vertical Isobars



Accessories

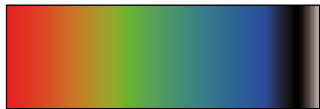


Special length

Special length of the speaker according to customer requirements.

Order number: 40710 (up to 1000 mm total length)

40711 (up to 2000 mm total length)



RAL-Color

Special color per article according to RAL-Color chart.

Order number: 1070



Weather resistant

Impregnation against weather influences.

Order number: 40610

Engineered
Made
In Germany



Harmonic Design

...simply harmonic sound

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