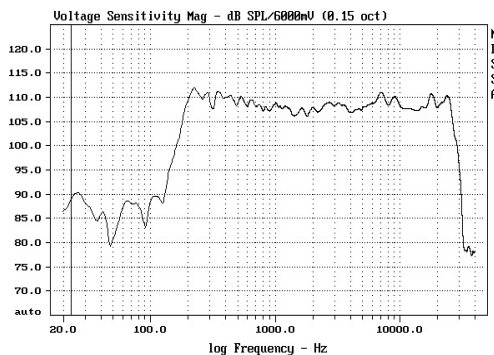




H1010 frequency response

## Mid-high frequency system – horn design – bi-amplification

Designed for medium to long throw of music and voice reproduction and reinforcement at high sound pressure levels.

|                                 |                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Frequency range                 | +/- 3 dB from 100 Hz – 20 kHz<br>-6 dB from 80 – 22 kHz                                                             |
| Sensitivity                     | 105 dB ref. 20 $\mu$ Pa / 2.83 Vrms / 1m                                                                            |
| Acoustical system output        | continuous: 131 dB at 1 m / peak: 137 dB at 1 m                                                                     |
| Nominal dispersion              | - 6 dB: 50° horizontally and 25° vertically<br>- 10 dB: 55° horizontally and 30° vertically                         |
| Nominal impedance               | MF: 8 $\Omega$ – HF: 8 $\Omega$                                                                                     |
| Long-term power handling        | MF: program: 600 W – rms: 300 W<br>HF: peak: 300 W – AES: 60 W                                                      |
| Recommended amplification       | MF: 600 W / LF: 120 W                                                                                               |
| Recommended crossover frequency | >140 Hz / 1.6 kHz, 24 dB/Oct Linkwitz-Riley                                                                         |
| Connectors                      | 2 x 4-pole male Neutrik Speakon® (+1/-1)                                                                            |
| Enclosure dimensions w/o feet   | width: 50 cm / 19 cm - height: 56 cm - depth: 55 cm                                                                 |
| Enclosure construction          | 15 mm multilayer Finnish birch plywood - dado joint technique                                                       |
| Components                      | LF: 1 x 10" cone driver with 100 mm voice coil<br>HF: 1 x 1" BMS neodymium compression driver with 38 mm voice coil |
| Components protection           | water repellent acoustic foam attached on octagonal perforated aluminium grid with hook-and-pile-fastener           |
| Colour                          | black semi-matt – other colours available on request                                                                |
| Carriage support                | two pocket handles                                                                                                  |
| Weight                          | net: 46.0 Kg / shipping: 48 Kg                                                                                      |
| Rigging                         | certified flying plates on each side panel and single anchor point on the rear panel of the cabinet                 |
| Accessories                     | CVR MH H1010 – weatherproof cover<br>CFP – circular flying plate                                                    |

## DESCRIPTION

The MH H1010 loudspeaker is a powerful medium-high frequency horn system and the most compact one of this product line.

The system is based on a 10 inch cone driver with 100 mm voice coil integrated in a sealed back-enclosure and a one inch neodymium high frequency compression driver. Each driver is coupled to a hypex horn. The horn shapes are cast directly into the plywood trapezoidal shape enclosure. This technique reduces cabinet and horn resonances to a minimum. The trapezoidal shape of the cabinet also reduces cabinet reflection causing mid-frequency colourations. The enclosure is constructed with 15 mm Finnish birch plywood glued together in conjunction with dado joints to assure the highest quality of robustness. The transducers are protected by an aluminium grid with octagonal holes, designed for maximal strength and acoustical transparency. The removable foam attached to the grid protects the driver from splash water and dust. The black textured semi-matt paint makes the enclosure water repellent. Two ergonomically designed pocket handles assure comfortable portability. Two Speakon® male connectors assure reliable electrical connections and the possibility to feed the signal through the system. A passive network, utilizing polypropylene capacitors, is used to reduce hysteretic effects.

It is recommended to extend the low frequency range with a low frequency system such as the front-loaded horn system LF H1024, LF H1021 or LF H1018 for well-balanced sound reproduction.

## APPLICATIONS

The MH H1010 finds its application in systems for:

- distributed sound reproduction: e.g. large clubs and dance halls
- sound reinforcement: e.g. concerts, large music bars, medium theatres, circuses, sport venues, stadiums, houses of worship and fashion shows

## COMPLEMENTARY AND RELATED PRODUCTS

Following complementary low frequency and amplification systems are recommended for a well-balanced sound sensation:

- low frequency horn systems: LF H1024, LF H1021 and LF H1018  
or LF HR1024 (hybrid system)
- amplifiers: AMP 2000 (MF) and AMP 700 (HF)

Related products:

- mid-high frequency horn: MH H2010
- full range system: FR R1012