

The M10i is an acoustic powerhouse that combines the compact and sleek cabinet design of the M8i with the impressive power of the M12i, making it tailor-made for performance installations in small spaces. The M10i uses the powerful 1.4" mid-high driver from the M12i, which enables a low crossover frequency and thus delivers outstanding speech intelligibility and clarity - a feature that cannot be taken for granted in this class.

With its 10" chassis, which allows an extra large linear excursion thanks to an extended voice coil, the M10i, like its well-known sister M10 from the touring series, masters even the most demanding low-mid tasks with excellence. Its versatility is demonstrated in its function as a full-range speaker or as a top unit when combined with the powerful B30i or B17i subwoofers, for example.

The mounting of the M10i can be customised using the supplied i-Series screw terminals and optional SpeakON® connection options. In addition, there are a variety of mounting options such as the built-in 6x M6 and 4x M10 threads, which ensure flexible mounting, whether on walls, with swivelling or cross brackets, similar to the M8i and M12i.

In a further feature, the M10i is delivered with dedicated presets for DSP amplifiers (DYNACORD TGX/IPX, Powersoft), which utilise the full performance potential and also enable an optimum combination with TWAUDIÖ subwoofers.

Key Features

- » Defines the balance between compactness and acoustic performance
- » Equipped with one 10" long excursion chassis and a 1.4" compression driver with 3" diaphragm
- » Use with or without subwoofers
- » Vertical and horizontal operation possible, symmetrical enclosure
- » 75 × 50 degree rotatable constant directivity HF horn
- » Coherent phase response with all TWAUDIÖ subwoofers
- » Operation with dedicated TWAUDIÖ presets on Powersoft or Dynacord TGX and IPX amplifiers, optional linear phase FIR filler presets available

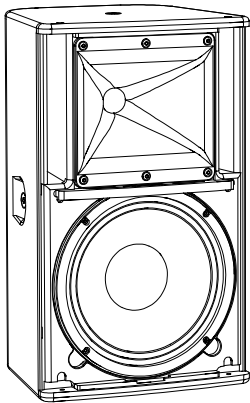
Applications

- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts and touring

M10i

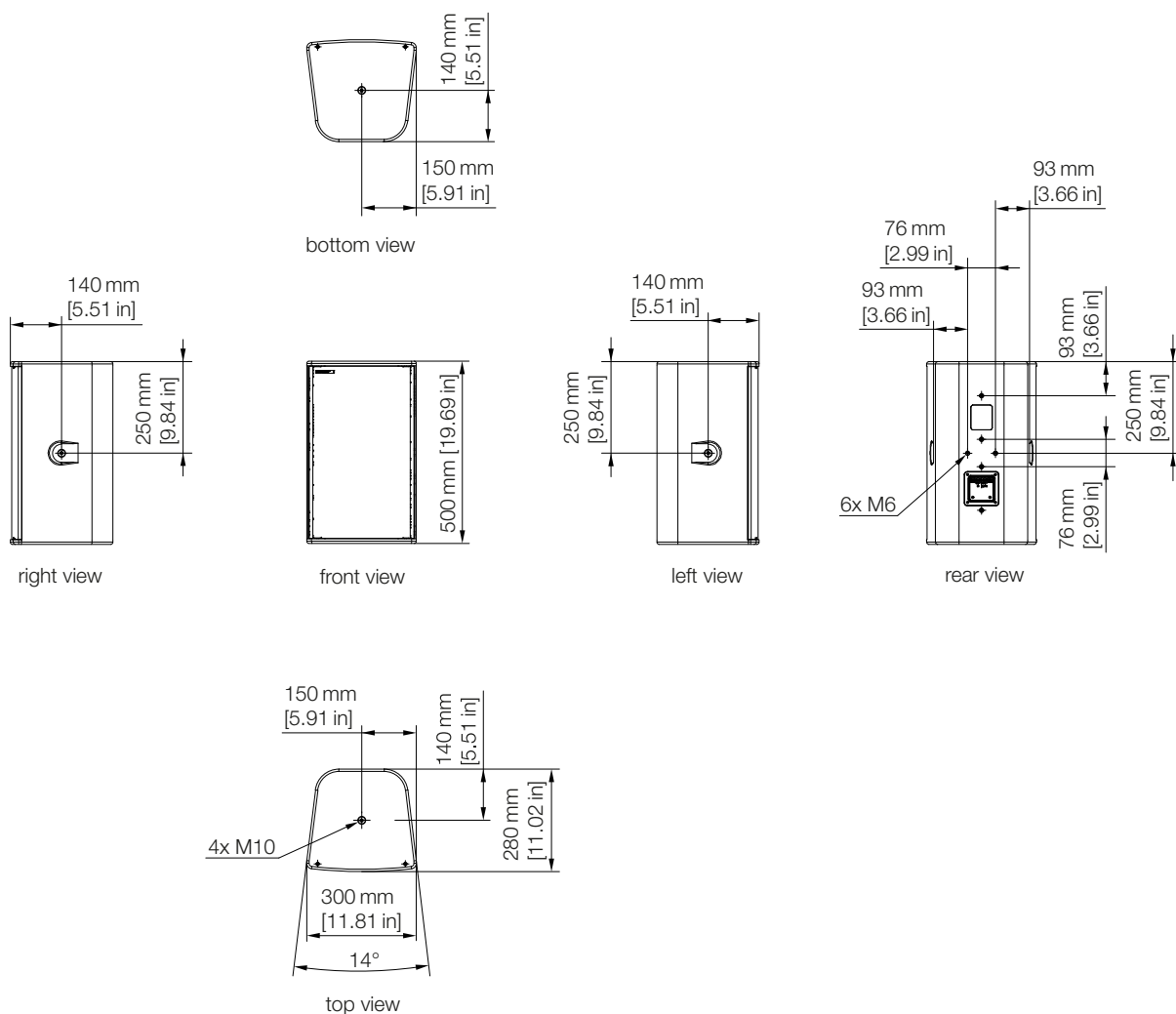
DATASHEET

Technical Data



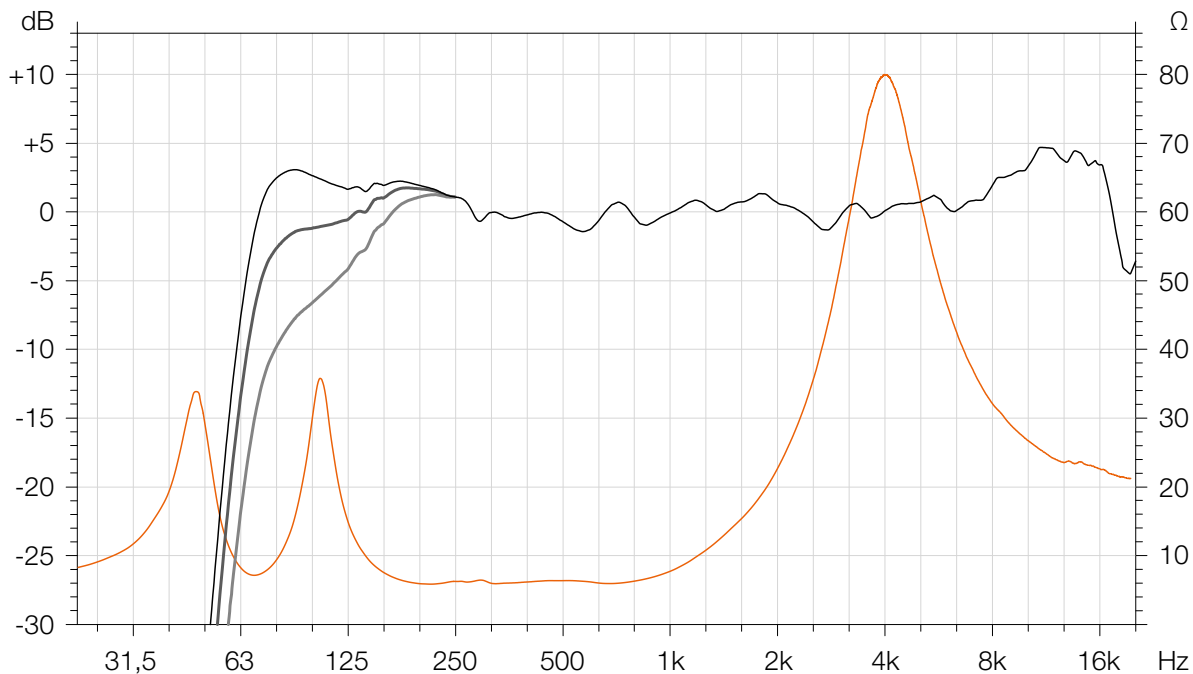
Drivers	1x 10" LF 1x 1,4" HF with 3" diaphragm
Frequency range	66 - 19000Hz
Power capacity program/peak	600/1200W
Impedance	8Ω
Coverage (h x v)	75° x 50° rotatable
Sensitivity 1W/1m	97 dB
SPLmax / 1m	128 dB
Connection	speakON® NL4 1±
Dimensions (H x W x D)	500x300x280 mm 19.69 x 11.81 x 11.02 in
Weight	15 kg 33.07 lbs
Finish	Warnex textured paint (RAL colors optional)
Accessories	see twaudio.com

Technical Drawing



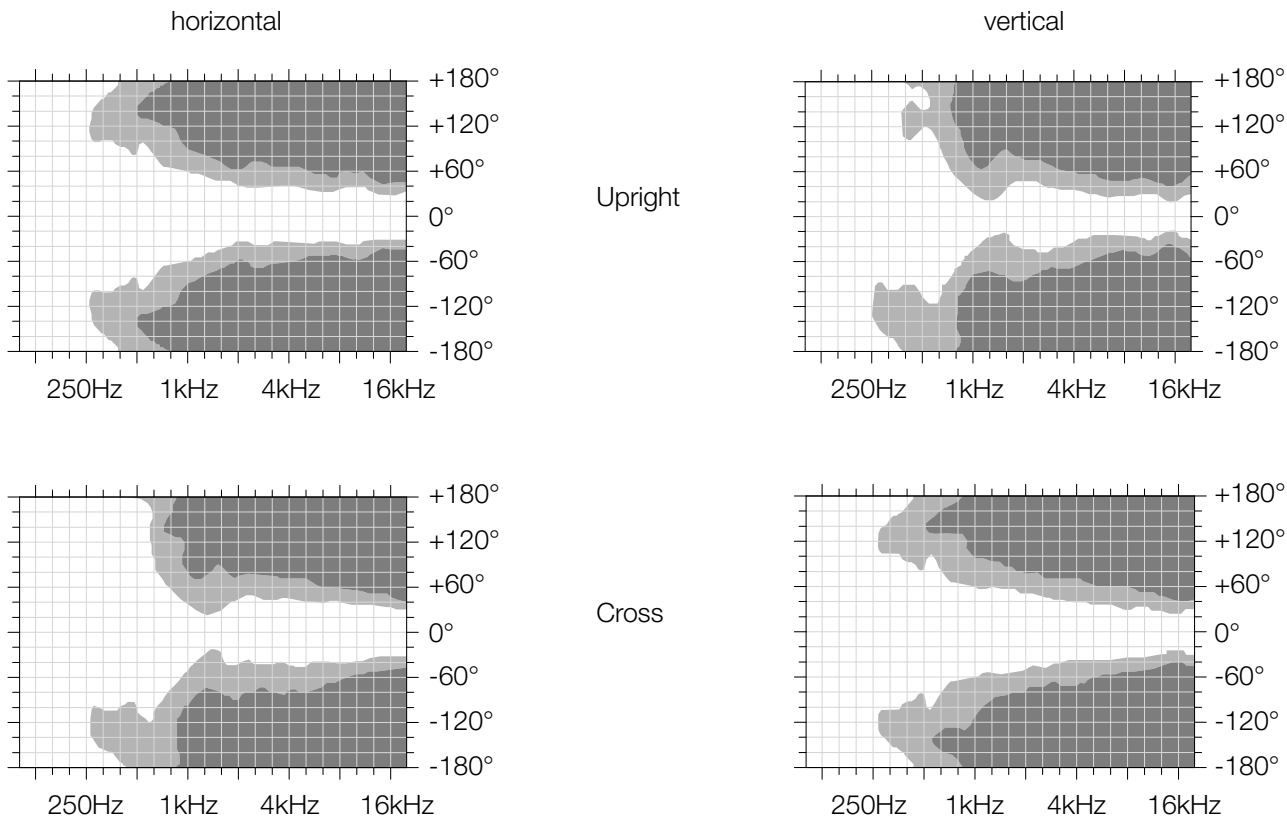
Frequency Response

FULL mode / **FLAT mode** / CUT mode | IMPEDANCE



Radiation Pattern

-6 dB | -12 dB



Architect Specifications

The loudspeaker shall consist of a well shaped enclosure driven and protected by a dedicated powered amplified controller and for cost effective solutions shall be used a standard amplifier without DSP. The loudspeaker shall be used with or without subwoofers. The loudspeaker shall be possible to operate vertically or horizontally.

The enclosure shall feature a combination of one 10" long excursion neodymium LF transducer with one 1,4" HF compression driver neodymium with 3" diaphragm. The loudspeaker shall have a rotatable horn 75° x 50°.

The usable system bandwidth shall be 66 Hz to 19000Hz.

Maximum peak SPL shall be 128dB. The long-term handling capacity shall be 600W program and 1200W peak. The nominal impedance of the loudspeaker shall be 8Ω.

The enclosure cabinet construction shall consist of first grade birch plywood. The front of the enclosure shall be protected by a perforated, powder-coated steel with flame retardant and hydrophobic, black fabric to the rear. The dimensions shall be 300mm (11,81in) in width, 500mm (19.69in) in height and 280mm (11.02in) in depth and the enclosure weight shall be 15kg (33.07lbs).

The enclosure shall feature four M10 threads and six M6 threads for mounting accessories. The enclosure shall be connected via screw terminals as standard.

The loudspeaker shall be the TWAUDIO M10i.

References

The response curves of the system are available upon request – support@twaudio.com

Manufacturer:
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