The dimensions of the smallest TW AUDiO installation sub let not assume such a performance. The B10i, like it's B10 production brother, delivers tight, focused bass from a box barely larger than a microwave oven. Its specifically developed long excursion 10" cone driver with an uncompromising 3" dual voice coil delivers usable frequency response down to 40 Hz. This makes the B10i a perfect match for restaurants, clubs and many other applications as main sub or discretely distributed as part of a larger system.

The B10i comes with i-series standard screw terminal connections at the rear with optional speakON™ and cable gland available. Four recessed M10 threads allow multiple mounting options via brackets or steel wires.

Key Features

» 10" cone driver with 3" dual voice coil and 700 W program power capacity generates a usable frequency response down to 40 Hz

» 4 × M10 screw threads for mounting of swivel bracket and eyebolt

» Wall or (suspended) ceiling mounting

» Equipped with i-series screw terminal; speakON™ and cable gland optional

» Coherent phase response with all TW AUDiO subwoofers

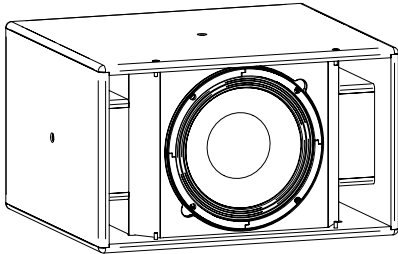» Operation with dedicated TW AUDiO presets on Lab.gruppen PLM / D or Powersoft K / X series

Applications

» Clubs, bars, restaurants, theatres

» Conference rooms or churches

» TV studios

» Integration in interior design and furnishings

Simply **your sound.**

Technical Data

Drivers	1 × 10" LF dual coil
Frequency range	40 Hz - 120* Hz
Power capacity program / peak	700 / 1400 W
Impedance	8 Ω | 2 × 16 Ω optional
Coverage	omni
Sensitivity 1 W / 1 m	91 dB
SPL max / 1 m	123 dB
Connection	screw terminal IN± | LINK±
Optional connections	speakON™ NL4 | cable gland
Dimensions (H × W × D)	300 × 500 × 440 mm | 11.8 × 19.7 × 17.3 in
Weight	16.1 kg | 35.5 lbs
Finish	Warnex texture paint (RAL colors optional), polyurea coating (black) optional
Accessories	RSM10, QDB10i

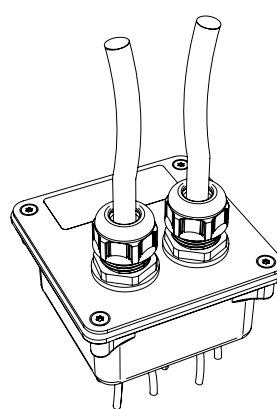* With dedicated presets a frequency of up to 400 Hz can be achieved.

Connections
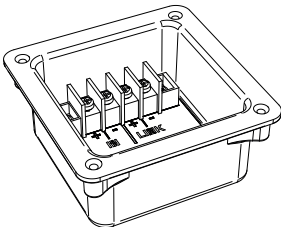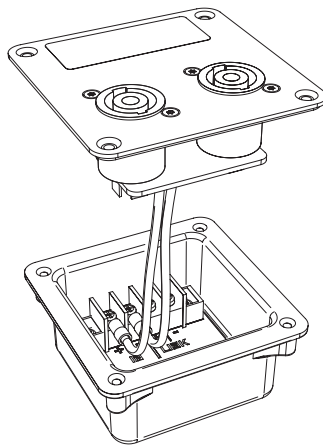
STANDARD SCREW TERMINAL	speakON™ - OPTION SO sub #4704	CABLE GLAND - OPTION CG #4324

Notes

Frequency range:
Loudspeaker measured with dedicated preset in full space, corner-frequencies are at -6 dB in relation to the average response which is within a tolerance of +/- 3 dB.
Corner-frequencies can be extended with additional EQ.

Sensitivity:
Sound pressure level the loudspeaker generates at 1 m distance to its frontgrille within its frequency bandwidth when applying 1 W in respect to its nominal impedance (2.83 V into 8 Ohms) in full space.

Dispersion:
Defines the nominal horizontal by vertical dispersion of the loudspeaker. Angles of nominal dispersion are defined at the points where the average SPL dropped down by -6dB compared to on axis measurement. This affects mainly the mid-high frequency range above 1 kHz. HF-horns are rotatable or / and exchangeable.
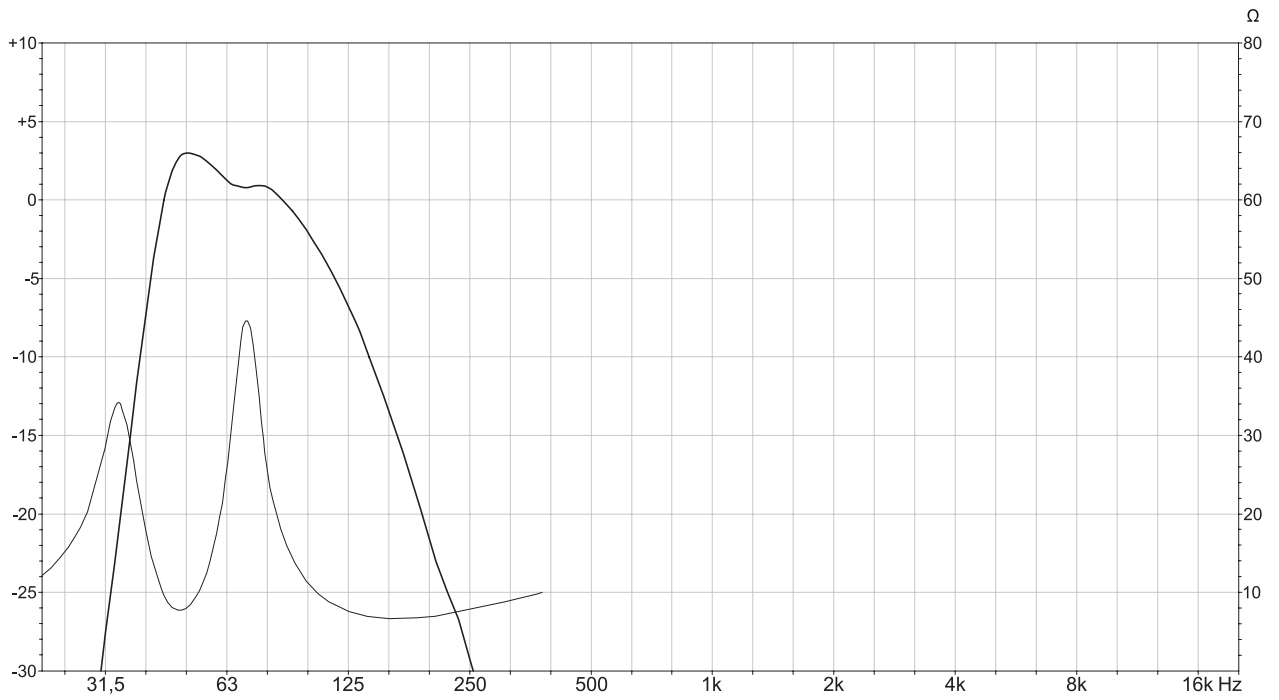Low frequency dispersion mainly depends on the size of the sound source (loudspeaker) except in dedicated "cardioid products".
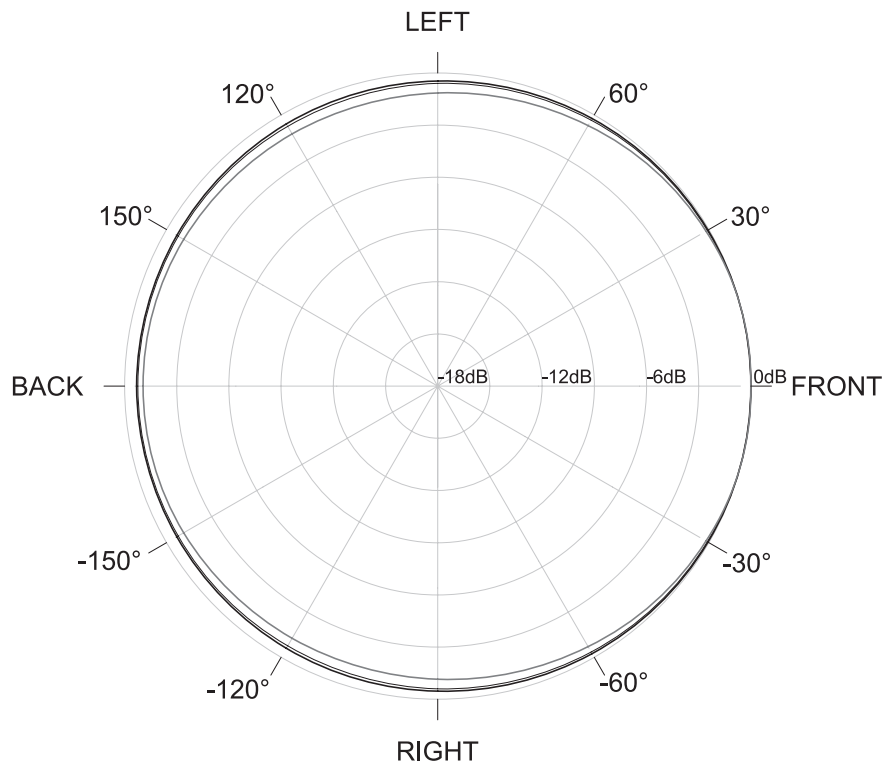
SPLmax / 1 m:
Sound pressure level the loudspeaker will generate at 1m distance to its frontgrille when applying 185 ms burst signals within the frequency band-width slightly increasing them until 10 % of total harmonic distortion will be reached (-> peak value. RMS value will be 3 dB lower). Without distortion limits and with bandlimited pinknoise with Crest factor 4, the peak SPLmax levels can be up to 10 dB higher at several frequencies.

Simply your sound.

TWAUDiO®
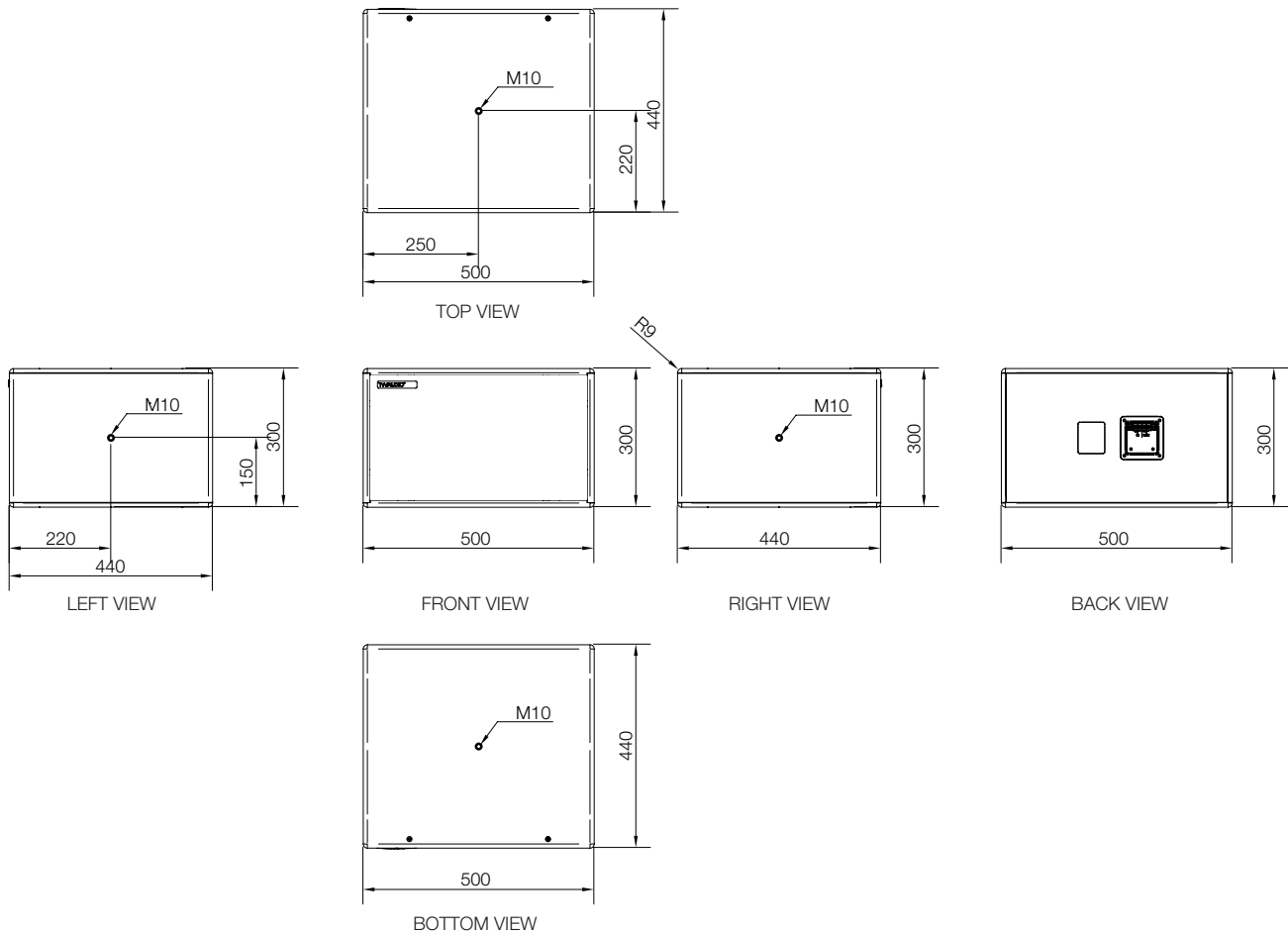
Frequency response WITH PRESET

IMPEDANCE

Polar Pattern **40 Hz** | 63 Hz | **100 Hz**

Simply **your sound.**

Technical Drawing

M10
440
220
250
500
TOP VIEW

M10
300
150
220
440
LEFT VIEW

500
300
FRONT VIEW

R9
M10
300
440
RIGHT VIEW

500
300
BACK VIEW

M10
440
500
BOTTOM VIEW

Tender specification

The loudspeaker shall be of a ultra compact subbass type design, able to be used singly, in multiple ground-stacked or flown configurations. Its transducer shall consist of one 10-inch long excursion cone driver, a dual voice coil design and shall be rated to handle 700 W program and 1400 W peak.

The loudspeaker performance specifications shall be: Operating frequency range shall be 40 Hz to 120 Hz, and up to 400 Hz, depending on the preset in use. Nominal impedance shall be 8 Ohms. Nominal sensitivity SPL shall be 91 dB at 1 W / 1 m.
Maximum peak SPL shall be 123 dB at 1 m.
Beamwidth shall be 360 degrees for a single unit, whilst directional characteristics can be achieved with multiple cabinets.

The loudspeaker shall only be operated with a DSP amplifier, using dedicated presets, which all include equalization, phase and limiting functions.

Connections shall be done with screw terminals as standard, for additional environment resistance a sealing PG type gland coverplate can be used. As alternative, a coverplate with Speakon® NLT4 connectors, the loudspeaker being connected to Pin2+/-, shall be available too. Through all options the loudspeaker shall be linkable.

All components shall be mounted in a internally braced rectangular enclosure, featuring a bass-reflex design and being constructed of premium birch plywood with a black (as standard, other RAL colors as option) structured finish. For discreet appearance, no handles or rubber feet shall be fitted.

M10 threads on top, bottom and on both sides shall serve for mounting of additional rigging parts. Rigging equipment shall be available, allowing the loudspeaker to be flown in any possible configuration. The front protective grille shall be made of a perforated, non reflective powder coated and durable steel, backed by flame retardant, hydrophobic and acoustically transparent black fabric.

Dimensions shall be 500 mm (19.69") in width, 300 mm (11.81") in height, 440 mm (17.32") in depth.
Standard version weight shall be 16.1 kg (35.5 lbs).

The loudspeaker shall be the TW AUDiO B10i.

Manufacturer:
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71636 Ludwigsburg, Germany
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