



Slightly larger than the B10, yet still compact, the B15 is every bit as adaptable as its smaller sibling, especially when used with the optional PWB15 passive crossover. The 1× 15" bass reflex system can be used simply as a passive bass extension or in switchable bi-amp mode in conjunction with TWAUDIO M- and C-series loudspeakers.

The optional PWB15 passive crossover has a satellite output with a switchable high pass filter enabling it to be used with various 8Ω loudspeakers and one standard amplifier, without the need for additional system controllers.

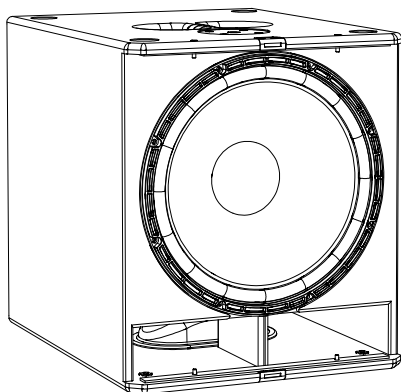
Key Features

- » Direct radiating bass reflex enclosure
- » High SPL output over wide frequency bandwidth
- » M20 pole mount flange for distance rods
- » Compact and lightweight
- » Coherent phase response with all TWAUDIO loudspeakers
- » Operation with dedicated TWAUDIO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

Applications

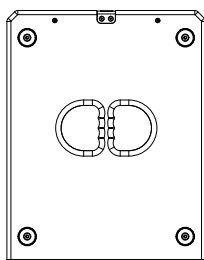
- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts and touring

Technical Data

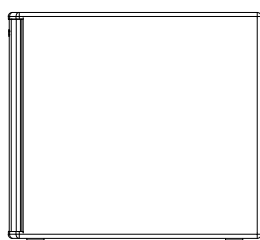


Drivers	1× 15" LF
Frequency range	40 - 1500Hz
Power capacity program/peak	1200/2400W
Impedance	B15A: 4 Ω B15P: aktive: 4 Ω / passive: 4 Ω
Sensitivity 1W/1 m	94 dB
SPLmax / 1 m	127 dB
Connection	B15A: speakON® NL4 2± B15P: aktive: speakON® NL4 2± / passive: speakON® NL4 1±
Dimensions (H × W × D)	505 × 440 × 560 mm 19.88 × 17.32 × 22.05 in
Weight	B15A: 22,1 kg / 48.72 lbs B15P: 24,2 kg / 53.35 lbs
Finish	Warnex textured paint (RAL colors optional)
Accessories	see twaudio.com

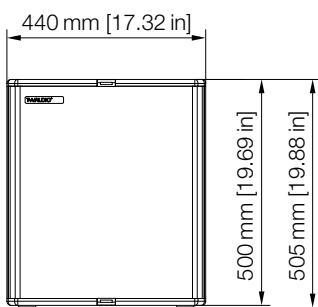
Technical Drawing



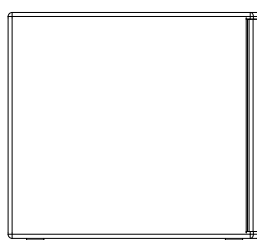
bottom view



right view

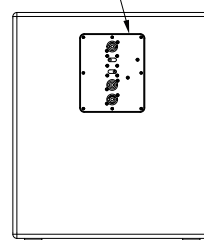


front view

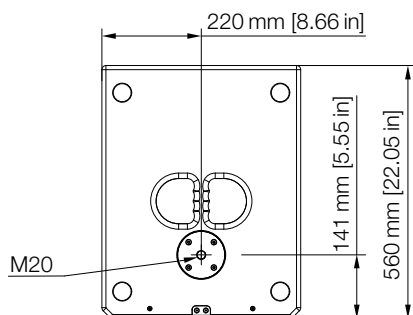


left view

Option passive
x-over PWB15



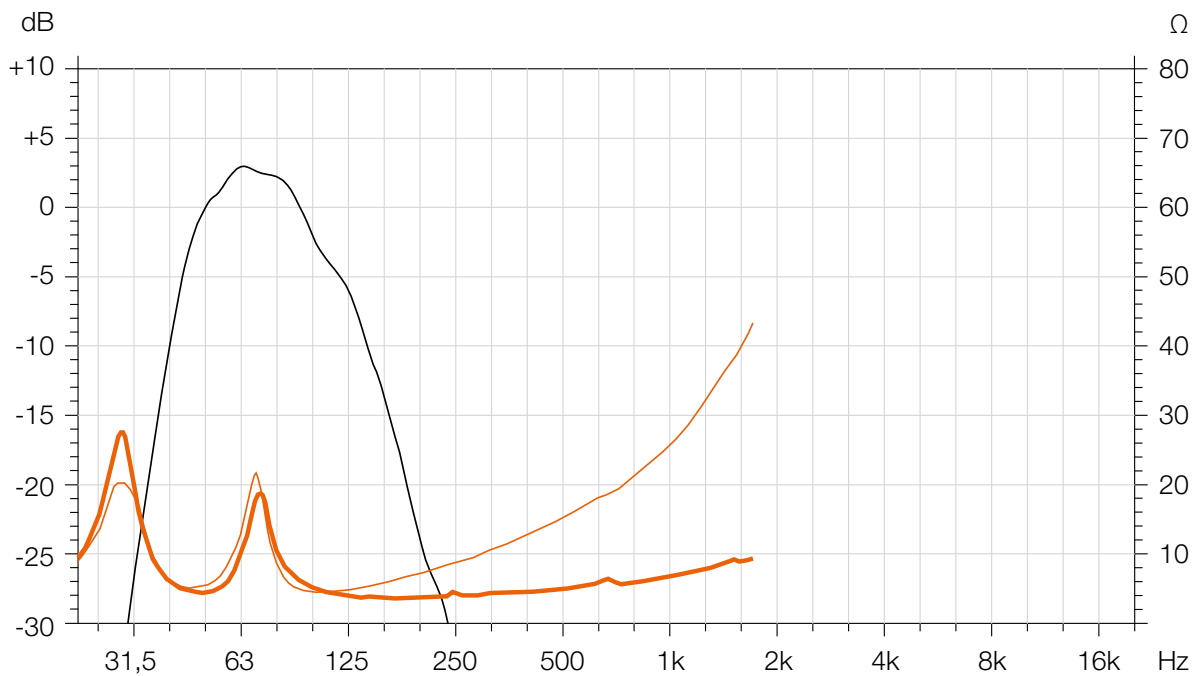
rear view



top view

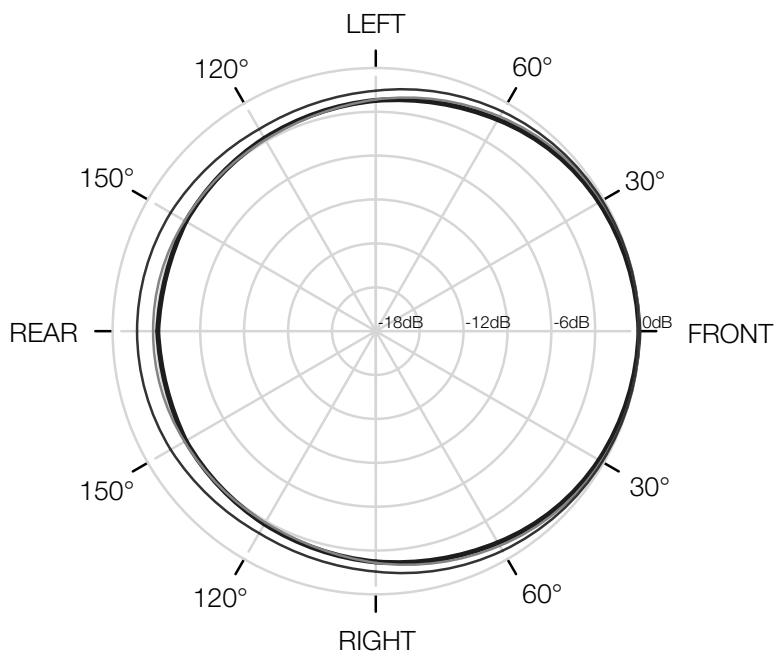
Frequency Response

FULL mode | IMPEDANCE **active** / passive



Polar Pattern

63 Hz | 100 Hz | 160 Hz



Architect Specifications

The loudspeaker shall consist of a direct radiating bass reflex enclosure driven and protected by a dedicated powered amplified controller. The loudspeaker shall be a omnidirectional subwoofer with and without internal passive crossover. The loudspeaker shall have a compact and lightweight enclosure. The loudspeaker shall be available in an active and passive variant. The loudspeaker shall have a high SPL output over wide frequency bandwidth. The loudspeaker shall have a M20 thread for distance rod.

The enclosure shall feature one 15" long excursion neodymium LF transducer.

The usable system bandwidth shall be 40Hz to 1500Hz.

Maximum peak SPL shall be 127dB. The long-term handling capacity shall be 1200W program and 2400W peak. The nominal impedance of the loudspeaker shall be at active variant: 4Ω, at passive 4Ω (2,5Ω with M8 at highpass output).

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, covered with a flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 440mm (17.32in) in width, 505mm (19.88in) in height and 560mm (22.05in) in depth and the enclosure weight shall be 22.1kg (49lbs) and in passive variant with passive x-over 24.2kg (54lbs).

The enclosure shall feature an integrated ergonomic handle, four stacking rubber feet and a M20 pole mount to adopt a distance rod when used with a top loudspeaker. The enclosure shall be connected in active variant via two parallel 4-pole speakON® sockets and in passive variant via three 4-pole speakON® sockets.

The loudspeaker shall be the TWAUDIO B15.

References

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

Manufacturer:

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