



The TWAUDIO B12 is a completely new development, optimized in every aspect—from the chassis to the enclosure. It serves as a powerful addition to our ELLA6-system and pairs seamlessly with M8 and M10, providing exceptional flexibility for various applications.

The ultra-compact enclosure is equipped with a newly engineered chassis, delivering impressive performance while keeping the weight down to just 19 kg. However, its acoustic capabilities are anything but lightweight.

With its direct radiating bass-reflex design and optimized symmetrical ports, the loudspeaker produces a precise and dynamic bass response, making it ideal for versatile and challenging applications.

Two B12 can be mechanically connected back-to-back with an included magnet system to create an acoustic dual-12“-subwoofer-unit. Simply deploy, connect, load the cardioid preset, and you’re ready to go – no additional measurements required. This saves time and allows for quick and flexible adaptation to spatial conditions or artist requirements.

Its design establishes it as a „multi-functional subwoofer,“ making it a one-of-a-kind product on the market.

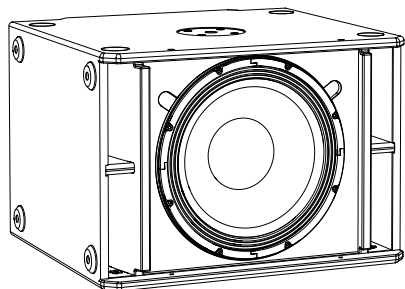
Key Features

- » Minimal footprint, maximum performance
- » Innovative chassis design enables a lightweight construction of only 19 kg
- » Magnetic coupling system for simple and efficient cardioid configuration with two or more B12 units
- » Airflow-optimized port design
- » Coherent phase response with all TWAUDIO loudspeakers
- » Operation with dedicated TWAUDIO presets on Powersoft or Dynacord TGX and IPX amplifiers

Applications

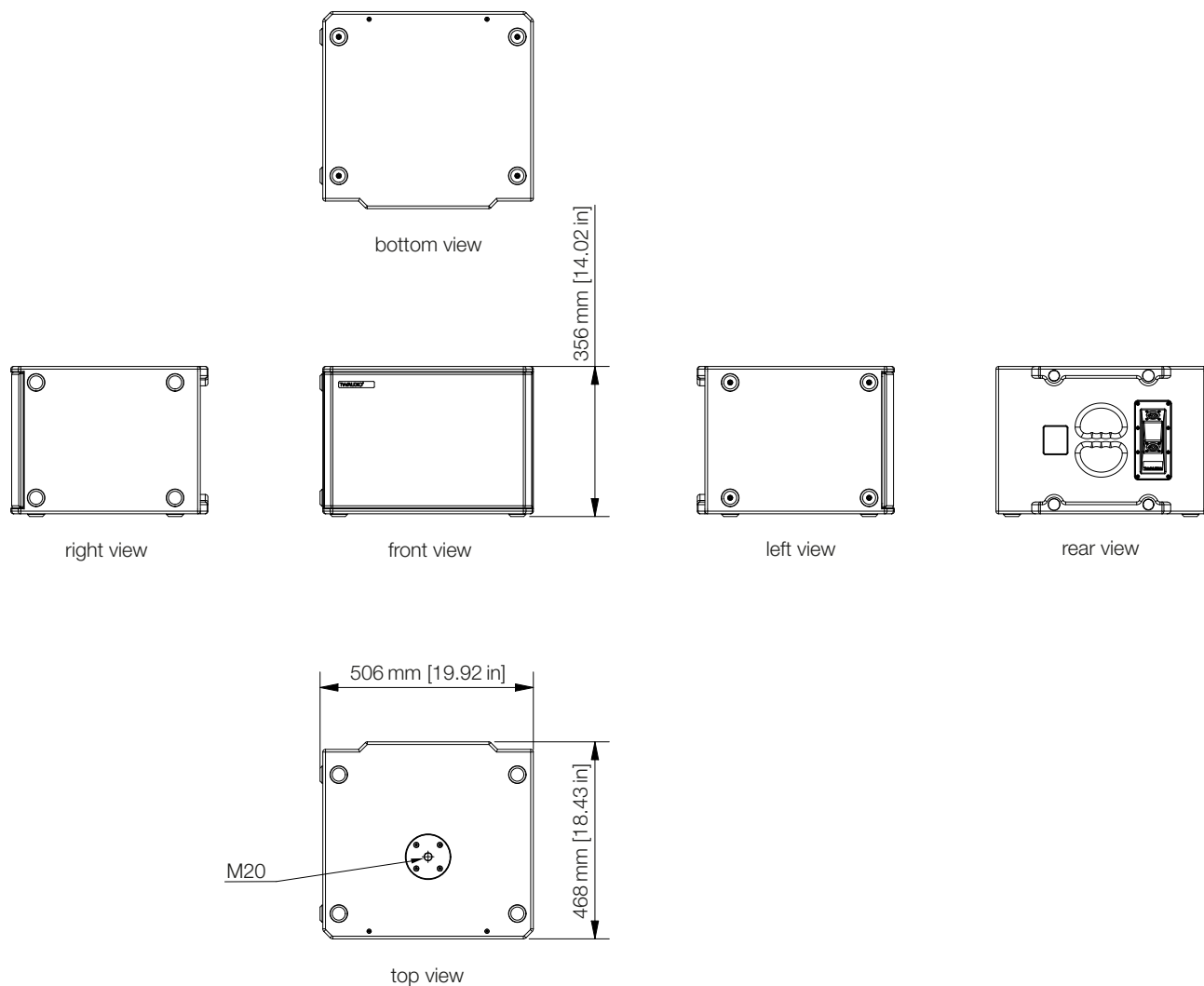
- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts and touring

Technical Data



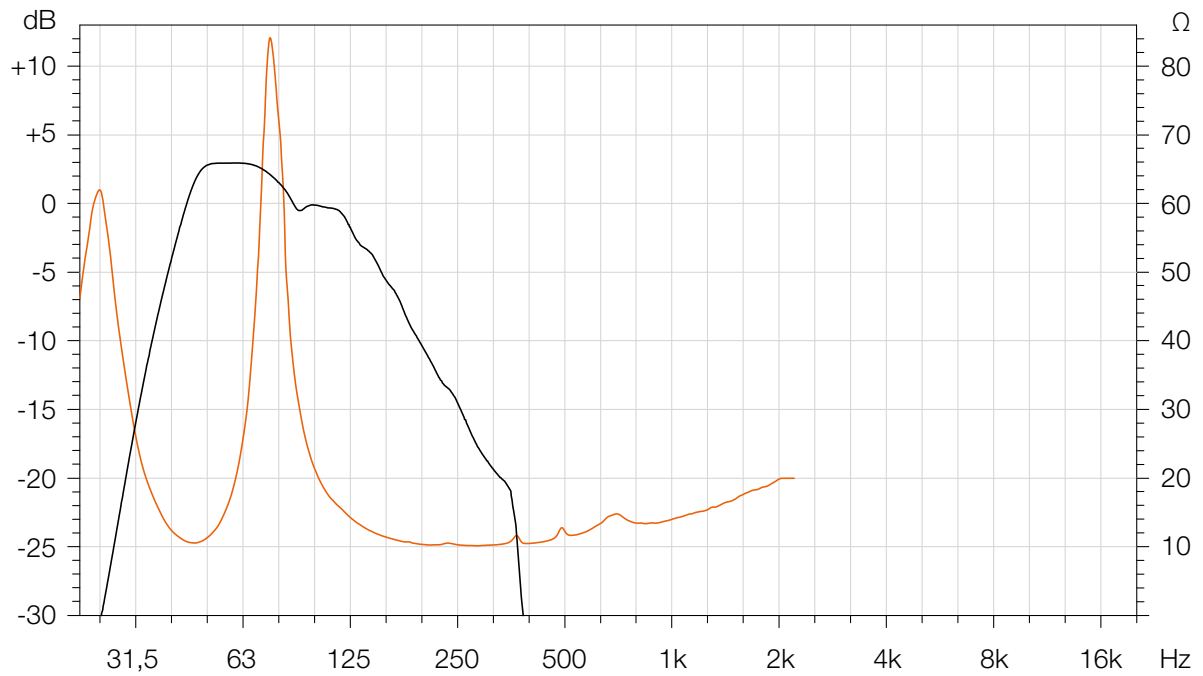
Drivers	1× 12" LF
Frequency range	37 - 170 Hz
Power capacity program/peak	1500/3000 W
Impedance	12 Ω
Sensitivity 1 W/1 m	94 dB
SPLmax / 1 m	129 dB
Connection	speakON® NL4 2±
Dimensions (H × W × D)	356 × 506 × 468 mm 14.02 × 19.92 × 18.43 in
Weight	19 kg / 41.9 lbs
Finish	Polyurea-coated (RAL colors optional: Warnex textured paint)
Accessories	see twaudio.com

Technical Drawing



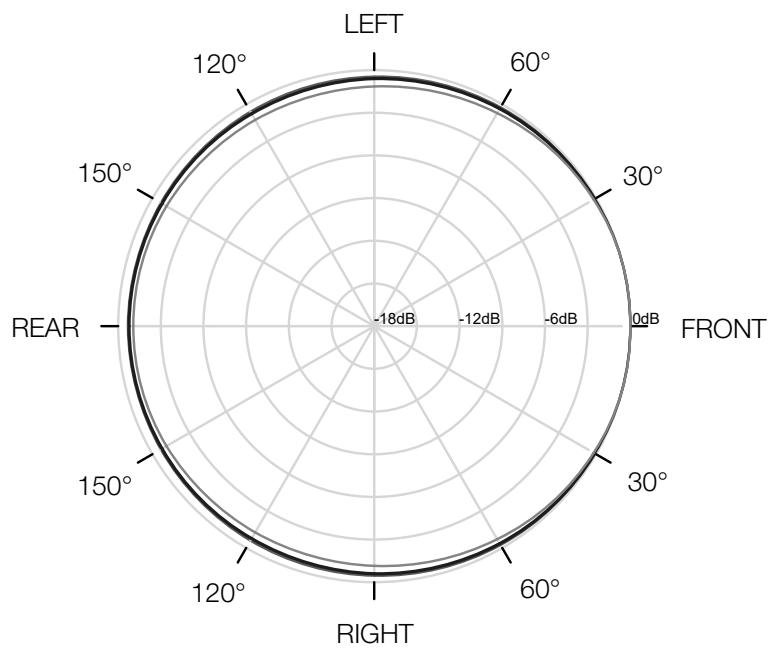
Frequency Response

FULL mode | IMPEDANCE



Polar Pattern

40Hz | 63Hz | 100Hz



Architect Specifications

The loudspeaker shall consist of a compact and lightweight enclosure driven and protected by a dedicated powered amplified controller. The loudspeaker shall be a omnidirectional subwoofer. The loudspeaker shall have a M20 pole mount flange for distance rod.

The enclosure shall feature one 12" long excursion neodymium LF transducer with an uncompromising 3.5" dual voice coil.

The usable system bandwidth shall be 37 Hz to 170 Hz.

Maximum peak SPL shall be 129 dB. The long-term handling capacity shall be 1500 W program and 3000 W peak. The nominal impedance of the loudspeaker shall be 12 Ω .

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, highly acoustically transparent black 3D mesh. The dimensions shall be 506 mm (19.84 in) in width, 356 mm (11.97 in) in height and 468 mm (17.32 in) in depth and the enclosure weight shall be 19 kg (35.5 lbs).

The enclosure shall feature one integrated ergonomic handles, eight stacking rubber feet and a M20 pole mount to adopt a distance rod when used with a top loudspeaker. The enclosure shall be connected via two parallel 4-pole speakON® sockets.

The loudspeaker shall be the TWAUDIO B12.

References

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

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