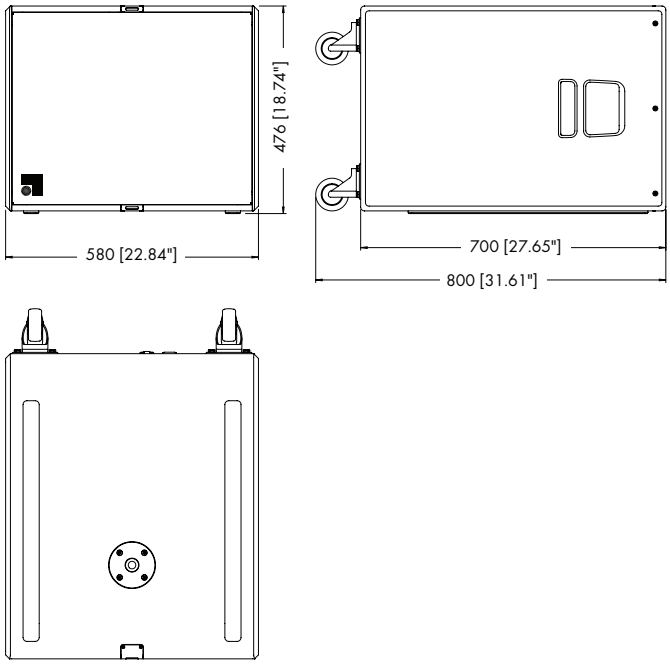
The B4 subwoofer

B4 subwoofer

The B4-SUB is an actively driven cardioid subwoofer powered by a single amplifier channel. It houses two long excursion neodymium drivers in an integrated cardioid setup: a 15" driver in a bass-reflex design facing to the front and a 12" driver in a two chamber bandpass design radiating to the rear. The cardioid dispersion pattern resulting from this approach avoids unwanted energy behind the system that greatly reduces the reverberant field at low frequencies and provides the greatest accuracy of low frequency reproduction. The B4 subwoofer can only be used in a ground stacked configuration.

The B4-SUB cabinet is constructed from marine plywood and has an impact and weather resistant paint finish and a pair of handles. An M20 threaded flange in the top panel accepts the d&b Loudspeaker stand winder M20. The front of the loudspeaker cabinet is protected by a rigid metal grill in front of an acoustically transparent foam. Two runners extend from the rear to the front panel of the cabinet protecting the bottom panel against scratching. Two correspondingly shaped recesses are incorporated in the top panel of each cabinet that accept these runners to prevent cabinet movement when stacked. Mounted on the rear panel are four heavy duty wheels and two EP5 or NL4 connectors wired in parallel.



B4-SUB cabinet dimensions in mm [inch]

System data

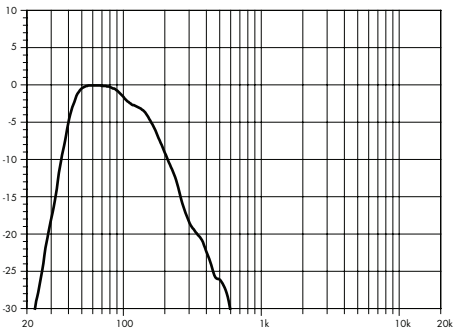
Frequency response (–5 dB standard).....40 Hz -150 Hz
Frequency response (–5 dB 100 Hz mode).....40 Hz -100 Hz
Max. sound pressure (1 m, free field)[1].....
with D6.....128 dB
with D12.....131 dB

Loudspeaker data

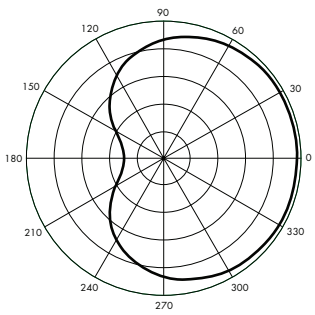
Nominal impedance.....6 ohms
Power handling capacity (RMS/peak 10 ms).....500/2000 W
Components.....
Front.....15" driver
Rear.....12" driver
Connection.....2 x EP5, optional 2 x NL4
Pin assignments.....EP5: 3/4, SenseDrive pin 5
.....NL4: 2+/2–
Weight.....44 kg (97 lb)

[1] Broadband measurement, pink noise, crest factor 4, peak measurement, linear weighting

The D6 and D12 configurations



B4-SUB frequency response, standard



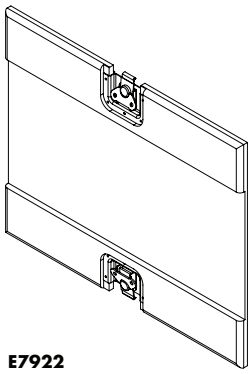
Cardioid polar pattern

B4-SUB with D6 and D12

Selecting the B4-SUB configuration in the D6 and D12 dual channel amplifiers enables up to two B4-SUB loudspeakers to be driven by the respective channel.

When the D12 is operated in Mix TOP/SUB mode the B4-SUB cabinets and respective full range systems can be linked together locally and fed by a single 4-wire cable from either amplifier output connector.

The D12 incorporates d&b SenseDrive for accurate control of driver membranes in d&b subwoofers, resulting in an extremely precise bass performance, even at high levels. SenseDrive is only available using a D12 fitted with EP5 connectors and appropriate 5-wire cabling. For further information please refer to the d&b TI 340 SenseDrive, which is available for download at www.dbaudio.com.



E7922
B4-SUB Wooden lid