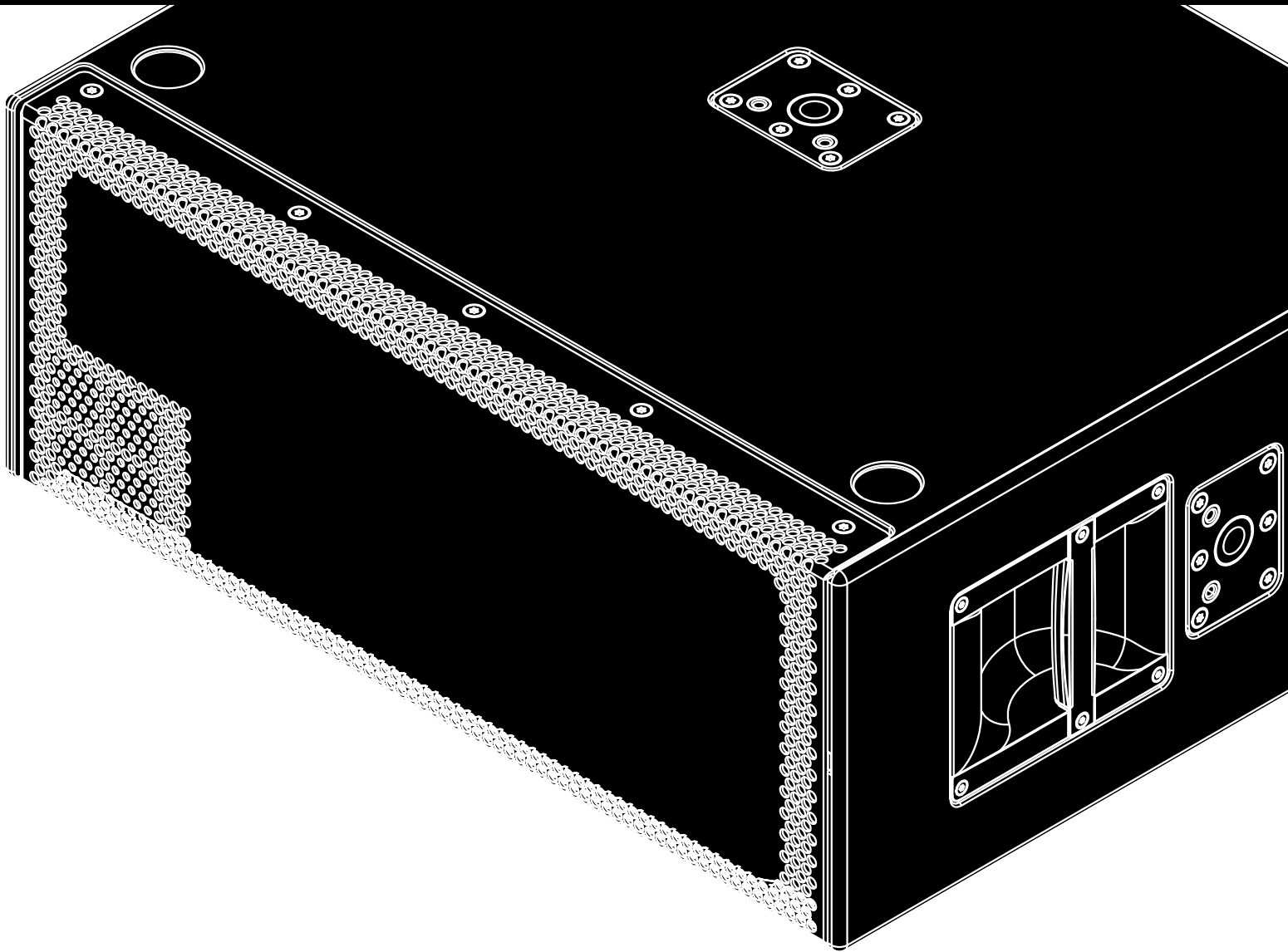


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B10-SUB **Manual 1.2 en**



Notes on document version

All previous versions of this document are hereby no longer valid.

Version 1.2:

10D added.

Refer to:

⇒ Chapter 2.4 "Technical specifications" on page 7.

General information

B10-SUB Manual

Version: 1.2 en, 05/2026, D2798.EN .01

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Potential risk of personal injury

Never stand in the immediate vicinity of loudspeakers driven at a high level. Professional loudspeaker systems are capable of causing a sound pressure level detrimental to human health. Seemingly non-critical sound levels (from approx. 95 dB SPL) can cause hearing damage if people are exposed to it over a long period.

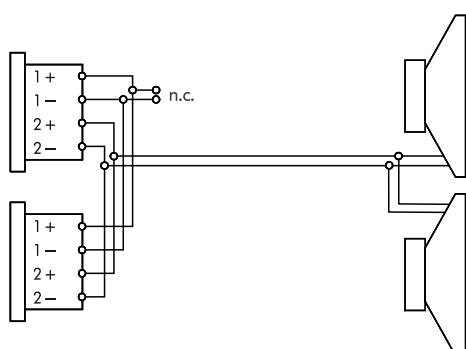
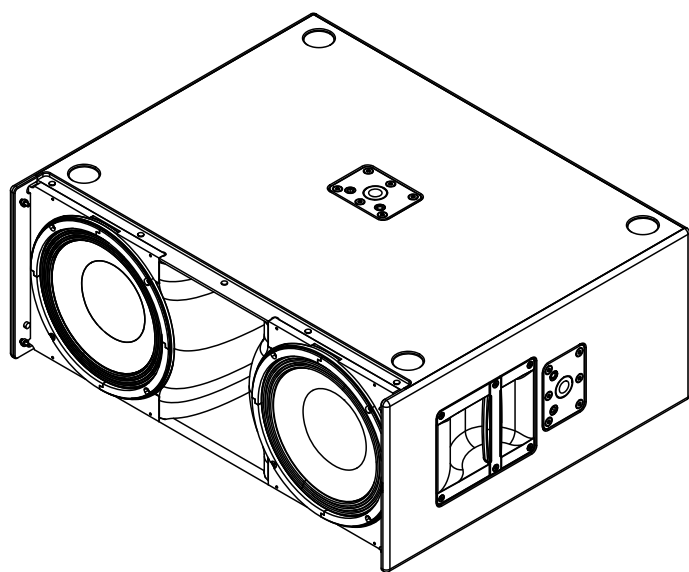
In order to prevent accidents when deploying loudspeakers on the ground or when flown, please take note of the following:

- When setting up the loudspeakers or loudspeaker stands, make sure they are standing on a firm surface. If you place several systems on top of one another, use straps to secure them against movement.
- Only use accessories which have been tested and approved by d&b for assembly and deployment. Pay attention to the correct application and maximum load capacity of the accessories as detailed in our specific "Mounting instructions" or in our "Rigging manuals".
- Ensure that all additional hardware, fixings and fasteners used for deployment are of an appropriate size and load safety factor. Pay attention to the manufacturers' instructions and to the relevant safety guidelines.
- Regularly check the loudspeaker housings and accessories for visible signs of wear and tear, and replace them when necessary.
- Regularly check all load bearing mounting devices.

Potential risk of material damage

Loudspeakers produce a static magnetic field even if they are not connected or are not in use. Therefore make sure when erecting and transporting loudspeakers that they are nowhere near equipment and objects which may be impaired or damaged by an external magnetic field. Generally speaking, a distance of 0.5 m (1.5 ft) from magnetic data carriers (floppy disks, audio and video tapes, bank cards, etc.) is sufficient.

2 B10-SUB loudspeaker



NLT4 F/M Connector wiring

2.1 Intended use

NOTICE!

Only operate d&b loudspeakers with correctly configured d&b amplifiers, otherwise there is a risk of damaging the loudspeaker components and the directional characteristics of the system cannot be achieved.

Recommended amplifiers:

D90/D80/D40/D25/5D/5DM/25D/40D

Product description

The B10-SUB is a mobile-specific, compact high performance subwoofer designed for small footprint setups and low-height applications. Featuring two 10" drivers in a bass-reflex cabinet with an advanced port design, it pairs perfectly with d&b U-Series and other compact d&b loudspeakers.

The frequency response extends from 38 Hz to 130/100 Hz.

The cabinet enclosure is constructed from marine plywood and has an impact and weather protected PCP finish. The front of the cabinet is protected by a rigid metal grill backed by an acoustically transparent foam and one handle is incorporated on each side panel.

Four rubber feet prevent cabinet movement and protect the bottom panel against scratching.

Four correspondingly shaped recesses are incorporated in the top panel to accept these rubber feet and prevent cabinet movement when stacking.

In addition, four rubber feet are also incorporated in one side panel to prevent cabinet movement and protect the side panel against scratching when the cabinet is used in upright position.

An M20 threaded flange together with two threaded inserts M8 are incorporated in the top as well as on the right side panel to accept a corresponding pole for the deployment of TOP cabinets or to attach a dedicated flying adapter.

2.2 Connections

The cabinet is fitted with NLT4 F/M connectors. All four pins of both connectors are wired in parallel. The cabinet uses the pin assignments 2+/2-. Pins 1+/1- are designated to TOP loudspeakers. Using the male connector as the input, the female connector allows for direct connection to a second cabinet.

d&b LoadMatch

With the d&b four channel amplifier platform, the LoadMatch function enables the amplifier to electrically compensate for the properties of the loudspeaker cable used without the need for an additional sense wire. For applicable loudspeakers, LoadMatch is therefore independent of the connector type used.

2.3 Operation

Amplifier output mode(s): Dual Channel or Mix TOP/SUB		
Application	Setup	Cabinets per channel
B10-SUB	B10-SUB	2 With 5D/5DM: 1 *

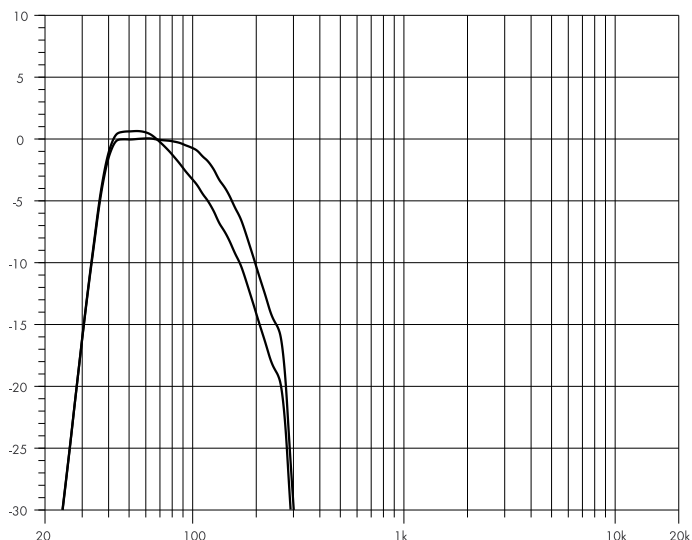
* **Note:** With d&b 5D/5DM amplifiers, please also use the «[Power share calculator](#)» to determine linking options.

2.3.1 Controller settings

100 Hz mode

It can be used when B10-SUB cabinets are used to supplement TOP cabinets operated in full range mode, for example in a distributed sound system.

The 100 Hz mode can also be used to compensate for the effect of close coupling between the subwoofer and TOP cabinets operated in CUT mode.



B10-SUB frequency response, Standard and 100 Hz modes

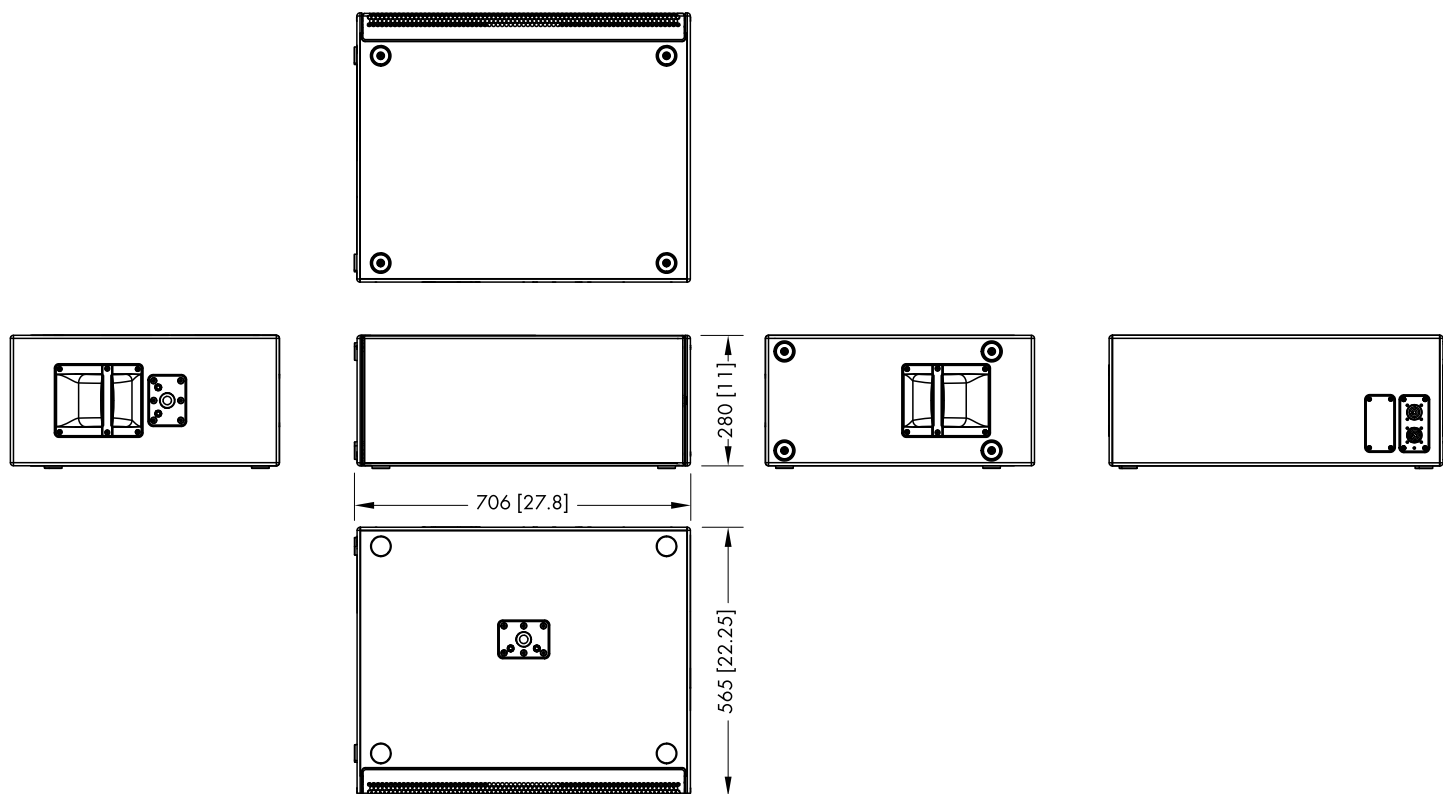
2.4 Technical specifications

System data

Frequency response (-5 dB Standard)	38 Hz - 130 Hz
Frequency response (-5 dB 100 Hz mode)	38 Hz - 100 Hz
Frequency response (-10 dB standard, IEC60268)	34 Hz - 170 Hz
Frequency response (-10 dB 100 Hz mode, IEC60268)	34 Hz - 140 Hz
Max. SPL (Peak, 1 m, free field, pink noise with crest factor 4)	
with D90/D80/D40/40D	130 dB
with D25/D20/25D/30D	128 dB
with 5D/5DM	127 dB
with 10D	126 dB

Loudspeaker data

Nominal impedance	6 ohms
Power handling capacity (RMS/peak 10 ms)	500/1200 W
Components	2 x 10" driver
Connections	1 x NLT4 F/M
Pin assignment	2+/2-
Weight	27 kg (60 lb)



B10-SUB cabinet dimensions in mm [inch]



3.1 Conformity of loudspeakers

This declaration applies to:

- **d&b Z2020 B10-SUB loudspeaker**

by d&b audiotechnik GmbH & Co. KG.

All product variants are included, provided they correspond to the original technical version and have not been subject to any later design or electromechanical modifications.

We herewith declare that said products are in conformity with the provisions of the respective directives including all applicable amendments.

Detailed and applicable declarations are available on request and can be ordered from d&b or downloaded from the d&b website at www.dbaudio.com.



3.2 WEEE Declaration (Disposal)

Electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

Please dispose of this product according to the respective national regulations or contractual agreements. If there are any further questions concerning the disposal of this product, please contact d&b audiotechnik.

WEEE-Reg.-Nr. DE: 13421928

