

Power Bass: SUB 2080 D



The SUB 2080 D Subwoofer is a real powerhouse which nonetheless seamlessly blends into interior design, due to its beautiful form.

A new feature: the 3 micro-controllers that not only ensure smooth control of the analogue electronics but also support a new operating concept which includes a remote control, a graphic user-interface with high-resolution display and 3-key control on the device itself. The advantage of digital technology is reflected in the low standby power consumption of less than 1 W.

Thanks to ELAC bass technology, the subwoofer reproduces both quiet and loud passages with extremely precise and distortion-free bass sound.

Two powerful 250 mm AS woofers in push-push / pull-pull configuration ensure – driven by two ICEpower-Class D amplifiers with a total output of 500 W – an enormously expressive, crisp and precise bass sound with a simultaneously very high performance. The complementary arrangement of the drivers ensures that the mechanical impulses that are directed towards the cabinet in a conventional design are virtually eliminated. The enjoyment of

music is thus not disturbed by any sound-affecting cabinet vibrations. Even at high bass levels, a champagne glass placed on the subwoofer remains unmoved. A massive connecting shaft that rigidly fixes the two drivers to each other further reduces cabinet vibrations that would otherwise have an adverse affect on sound quality. This subwoofer comes with a universal range of connection options. It is possible to use up to three (!) loudspeaker inputs in parallel (e.g. left, right and centre) and at the same time to plug in the LFE connection for the surround receiver. Furthermore, both symmetrical XLR inputs and symmetrical XLR outputs with adjustable high-pass filter are provided for high-fidelity stereo applications. Optimum bass reproduction is thus assured in both stereo and surround sound modes, almost irregardless of the settings for bass management in the surround receiver.

Two parametric equalizers, whose frequency and attenuation (or accentuation) can be adjusted via the graphic user interface, ensure maximum flexibility in the selection of installation location, as spatial resonance can be reduced or frequencies with weak bass reproduction can be intensified. The crossover frequency is also adjustable, maximising the flexibility in the frequency response of the main loudspeakers. In order to compensate for phase differences between the satellite and the subwoofer – a result of the wide variety of possible spatial arrays – the system is equipped with a phase-switching option.



Specifications

	SUB 2080 D
Dimensions H x W x D	491 x 330 x 400 mm
Gross volume	65 l
Weight	35 kg
Type	1-way active, 2 woofers in closed box
Woofers	2x 250 mm AS Cone
Amplifier output (short term)	500 W
Input impedance	Line: 35 kOhms, Speaker: 220 Ohm floating
Power consumption	max. 1 W (standby), max. 600 W (full load)
Mains voltage/fuse	90 ... 240 V~ / 50 ... 60 Hz, Fuse: T 6.3 A L 250 V
Outputs	Line: 2x XLR, high-pass filtered (frequency adjustable)
Inputs	Line: 1x 200 mV (RCA), 2x 200 mV (XLR), Speaker: 3x 2.5V, 1x remote start (3.5 mm phone jack)
Upper cut-off frequency	40 ... 120 Hz adjustable
Frequency range (IEC 268-5)	18 ... 180 Hz
SNR (weighted)	> 100 dB(A) rel. to full output