

# Dolby SB218 Dual 18" Subwoofer



## High-performance low-frequency energy for impact and realism

The new Dolby® SB218 is a double 18", front-loaded subwoofer designed to meet the needs of high-performance low frequency effects (LFE) channels in Dolby Atmos®, Dolby surround 7.1 and 5.1 commercial cinema auditorium applications. The SB218 provides extended sub-bass response and high output, delivering solid, low-frequency energy to every seat in the venue.

Featuring two 18" pro-audio drivers with 4" voice coils, the SB218 is constructed using quality materials and employs independent acoustic chambers for each of the drivers, improving performance and reliability.

Sharing the engineered versatility of the SB218XL (PLF version), the SB218 cabinet can be stacked and is equipped with rubber feet and indexing recesses as well as threaded inserts, which when used with the BKT.136 tie plates and the BKT.FLR floor brackets (both sold separately), allow for both the mechanical coupling of units, as well as the mechanical connection of the speaker stack (two units maximum per stack), to the auditorium mounting surface.\*

### Key features

- Pro-Audio quality, dual-18" subwoofer drivers that utilize 4" voice coils, with FEM optimized ferrite motors and suspension
- Developed for use in high-performance, cinema applications where the most impactful LFE performance is required for either Dolby Atmos®, Dolby Surround 7.1, or Dolby Surround 5.1 auditoriums
- The advanced input plate features a high-current, spring-loaded terminal block, which enables quick installation with no crimp tools or spade lugs needed, simplifying the installation process
- Each 18-inch driver is contained in an independent chamber within the cabinet providing enhanced performance and reliability
- Rubber feet on the bottom of the cabinet provide vibration control and match cabinet recesses for easy indexing when stacking
- Threaded inserts for use with the BKT.136 tie plates and BKT.FLR floor brackets (both sold separately)
- Balance-centered handles ease unpacking and placement of the speaker cabinet(s)

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## Specifications\*\*

Frequency range <sup>1</sup>	26 Hz –170 Hz
Usable LF response <sup>2</sup>	22 Hz
Coverage window	Omni
Rated impedance	4 Ohms
Sensitivity @ 1 watt <sup>3</sup>	102 dB
Power handling <sup>4</sup>	1200 W @ 61 Vrms
Power draw <sup>5</sup>	750 W
Maximum voltage peak <sup>6</sup>	175 Vpk
Maximum continuous SPL @ 1 meter <sup>7</sup>	133 dB
Measured acoustic peak SPL @ 1 meter <sup>8</sup>	141 dB
Transducers	LF – 18" woofer (x 2)
Enclosure	Wood
Accessories	BKT.136 tie plates and BKT.FLR floor brackets (both sold separately)
Dimensions (unit)	30" H x 50.5" W x 25.2" D (76.2 x 128.4 x 64 cm)
Weight (unit)	171 lb. (77.6 kg)
Dimensions (shipping) <sup>***</sup>	33.95" H x 56.5" W x 31.8" D (86.23 x 143.52 x 80.75 cm)
Weight (shipping)	187.96 lb. (85.26 kg)

1. -6 dB in half-space conditions using required processing

2. -10 dB in half-space conditions

3. Measured with 12 dB crest pink noise @ 2 Vrms in half-space conditions with required highpass filter and lowpass filter.

4. 9 dB crest pink noise for two hours with required highpass filter and lowpass filter, calculated power based on minimum impedance.

5. Measured average power over five seconds at the rated Vrms using 9 dB crest pink noise with required highpass filter and lowpass filter. This measured power draw from the amplifier is useful for estimating amplifier sizing in overall system design.

6. Measured Vpk over 100 hours using a Hann-shaped sine-wave burst at the maximum excursion frequency of the system. This data is useful for setting peak stop limiters and amplifier selection.

7. Calculated from rated sensitivity and power

8. Measured half-space peak SPL over five seconds at rated Vrms using 9 dB crest pink noise with required highpass filter and lowpass filter.

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Translated versions are not legally binding and are for convenience only.

\* See Owner's Manual for detailed installation instructions. Do not mount without reading Owner's Manual.

\*\* Specifications are subject to change without notice.

\*\*\* This product can be shipped only by surface transportation. Do not ship by air.

This documentation applies to Model CID 1035

