

SB1002

SUBWOOFER



EAW is bringing subwoofers to all new heights. The SB1002 is a large-format, high-output subwoofer that can be ground-stacked or easily flown via an integral rigging system.

Sound systems designed for nearly any application benefit from the addition of at least one subwoofer. Even components of the mix typically thought of as “upper” and “mid” in terms of frequency – for example, the female voice – include undertones in the sub bass region that are enhanced by subwoofers.

The SB1002 is a large-format, high-output subwoofer system that can be ground-stacked or easily flown via an integral rigging system, making it ideal for a wide range of live and installed sound applications. It offers the fatter-sounding output of dual 18-inch cone drivers, with the mounting of these drivers maximizing cone area and minimizing front area, providing the acoustical performance and physical configuration well suited for creating large subwoofer arrays. These custom drivers offer very large (4.5-inch) voice coils as well as powerful neodymium magnet structures that also reduce weight.

SB1002 Features

- *Direct radiating with optimally tuned, vented enclosures*
- *Top quality drivers supply the highest output and best sonic performance possible.*
- *Ability to be ground-stacked or easily flown via fast, easy-to-use rigging system that accommodates flown arrays up to 12 SB1002 units.*
- *Designed with sophisticated digital signal processing to optimize the LF response.*
- *Specifically designed for the SB1001 and SB1002, the drivers offer very large (4.5-inch) voice coils.*
- *Powerful neodymium magnet structures reduce overall unit weight.*
- *21.2" (h) x 29.8" (w) x 42.2" (d); 162 lbs*

Applications

- *Large live music and dance clubs*
- *Corporate events*
- *Houses of worship*
- *Concert touring*
- *Performing arts/auditoriums*



Flown SB1002 array along side an array of KF760s

The compact yet robust construction of the SB1002 allows the units to be stacked or flown. Featuring a rigging system similar to that of the KF760 Series Line Arrays, it features a fast, easy-to-use two-point approach that accommodates flown arrays of up to 12 SB1002 units..

The SB1002 is designed to be used with sophisticated digital signal processing to optimize the LF response. EAW UX and MX Series processors are recommended for the required crossover and equalization.

For all of these reasons, the SB1002 is clearly head and shoulders above the rest when it comes to meeting the low frequency needs of top concert tours, the most prestigious performance venues, packed live and dance clubs, houses of worship of all sizes, and thousands of applications in between.



SB1001 SUBWOOFER



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SB1001 / SB1002 DUAL 18-INCH SUBWOOFER CONFIGURATION

Subsystem:	Transducer	Loading
SUB	2x 18 in cone	Vented

Operating Mode:	Amplifier Channels	External Signal Processing
Single-amp	LF1 / LF2	DSP w/1-way filter
Dual-amp	LF1 / LF2	DSP w/1-way filter

PERFORMANCE

Operating Range: 28 Hz to 160 kHz

Nominal Beamwidth:

Horz 360°

Vert 360°

Axial Sensitivity (SPL):

LF1/LF2 (whole space) 95 dB

(half space) 101 dB

28 Hz to 160 Hz

28 Hz to 160 Hz

Input Impedance (ohms):

Nominal

LF1/LF2 4

LF1/LF2 8 (each)

Minimum

3.8 @ 30 Hz

7.5 @ 30 Hz

High Pass Filter: High Pass=>30 Hz, 12 dB/octave Butterworth

Accelerated Life Test:

System LF1/LF2 98 V

LF1,LF2 98 V (each)

Transducer (AES)

2400 W @ 4 ohm

1200 W @ 8 ohm (each)

1200 W (each)

Calculated Axial Output Limit (whole space SPL):

Average

LF/LF2 (whole space) 129 dB

(half space) 135 dB

Peak

135 dB

141 dB

ORDERING DATA

Description	Part Number
EAW SB1002 Dual 18-inch Subwoofer Black	0023836

Optional Accessories

FB1SB Subwoofer Fly Bar	0023840
PLT1K2 Caster Pallet	0023841



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