

# SB210

## Dual 10" Subwoofer



- ▶ High performance, low-profile subwoofer
- ▶ Ultra low turbulence port design for superior output
- ▶ Integrated M10 mounting, and M20 pole mount
- ▶ WP model available
- ▶ Companion UX4403 amplifier

### OVERVIEW

The SB210 is the latest addition to the revered SB Series product line, offering low frequency support when space is limited. SB210 is a direct radiating dual 10" subwoofer with unique driver mounting to maximize the cone area. This allows for integration of an ultra low turbulence port design to maximize the front area, resulting in a powerful acoustical performance despite its smaller size. This means low frequency no longer needs to be sacrificed for space restrictions.

SB210 is meant to be used for an abundance of install and production applications including restaurants, bars, hotels, corporate events, performing art

### TECHNOLOGIES



**Beamwidth Matched Crossovers** Introduced over a decade ago for our MK series loudspeakers, EAW Engineers use carefully-designed HF horns and crossovers to eliminate polar irregularities through the crossover point.



**Focusing™** Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn "honk" and splashiness, this makes the loudspeaker sound like a studio monitor instead of a "PA" speaker.



**DynO™** Dynamic Optimization actively tracks input spectrum and power delivery, continually wicking maximizing output and fidelity at any drive level.



**Symmetry of Sources™** Symmetrical arrangement of acoustic sources along a common axis for utmost consistency throughout the coverage pattern.

## TECHNICAL SPECIFICATIONS

### DUAL 10" SUBWOOFER

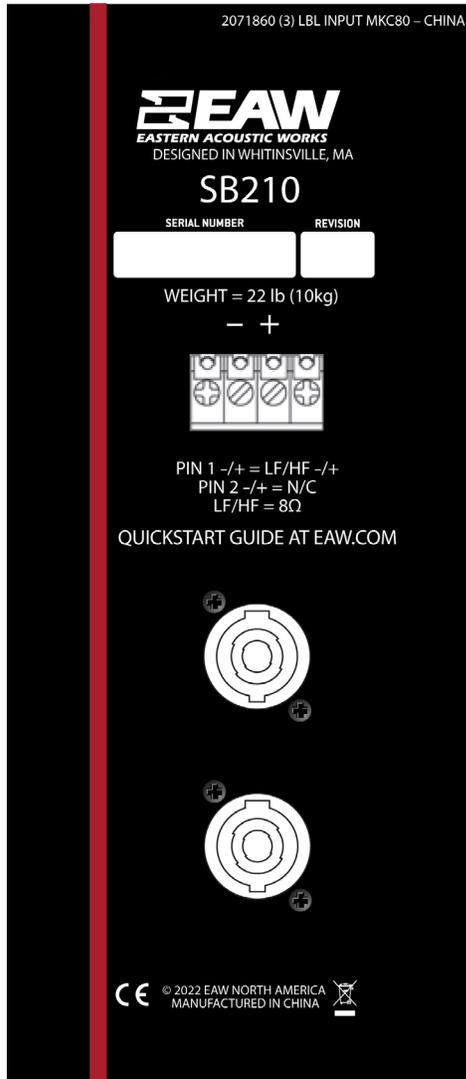
PERFORMANCE	
<b>Max SPL<sup>1</sup></b> (12 dB Crest Factor)	Whole Space: 128dB Half Space: 134dB
<b>Max SPL<sup>1</sup></b> (6 dB Crest Factor)	Whole Space: 122dB Half Space: 128dB
<b>Operating Range<sup>2</sup></b>	35Hz-150Hz
<b>Axial Sensativity</b>	Whole Space: 89dB, 35Hz-120Hz Half Space: 95dB
<b>Input Impedance</b>	4 ohms nominal, 4.5 ohms @ 45Hz minimum
<b>Recommended HPF</b>	35Hz, 12dB/oct
ACCELERATED LIFE TEST <sup>3</sup>	
<b>LF/HF</b>	500 Watts @ 4 ohms
CONFIGURATION	
<b>LF Transducer, Loading</b>	2x10in cone, 2.5in VC
<b>Operating Modes</b>	VLF, DSP w/ DynO
PHYSICAL	
<b>Physical Rigging</b>	16 x M10 suspension points M20 Threaded pole mount
<b>Dimensions (HxWxD)</b>	12 x 30 x 19.7in (305 x 762 x 501mm)
<b>Net Weight</b>	67 lbs. (30.4kg)
<b>Shipping Weight</b>	Approx. 72 lbs (32.7kg)
<b>Mounting Accessories</b>	
<b>Input Connector</b>	2x Nuetrik NL4, 2-pin barrier strip

1 Calculated max SPL at 1m with 4:1 pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

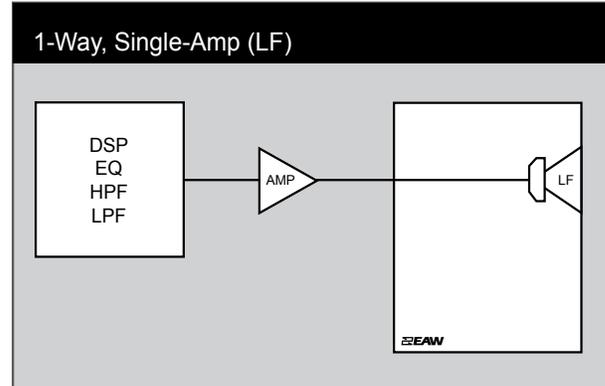
2 Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

3 Accelerated Life Test: Maximum test input voltage applied with an EIA-426B defined spectrum; measured with recommended signal processing and Recommended Protection Filter.

**INPUT**



**SIGNAL**



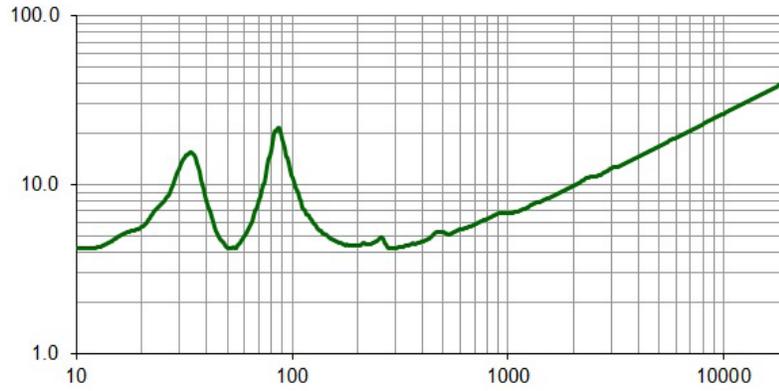
**LEGEND**

- LF/MF/HF:** Low Frequency / Mid Frequency / High Frequency.
- AMP:** User Supplied Power Amplifier –or– Integral Amplifier for NT products.
- XVR:** Passive LPFs, HPFs, and EQ integral to the loudspeaker.
- EAW Focusing:** Digital Signal Processor capable of implementing EAW Focusing.

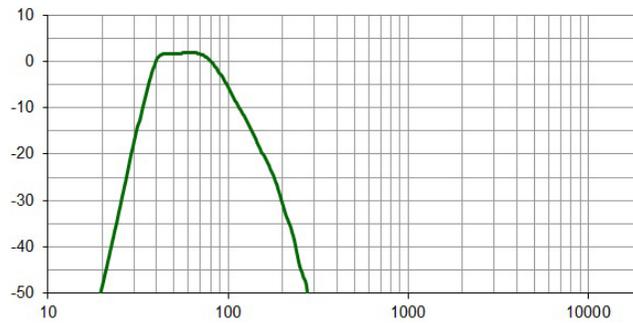
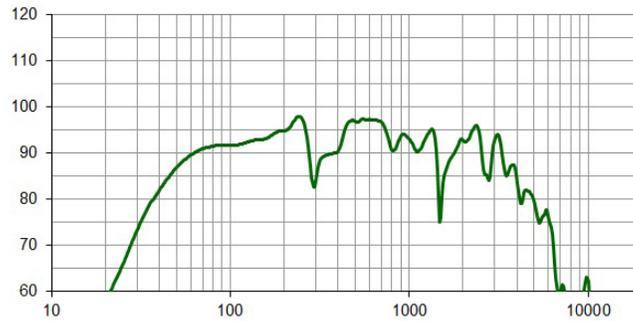


PERFORMANCE GRAPHS

IMPEDANCE



FREQUENCY<sup>1</sup> ■=Overall Response Processed



<sup>1</sup> Variation in acoustic output level with frequency for a constant input signal. Processed: normalized to 0 dB SPL. Unprocessed inputs: 2 V (4 ohm nominal impedance), 2.83 V (8ohm nominal impedance), or 4 V (16 ohm nominal impedance) referenced to a distance of 1 m.