

# Q-SB2

## Model Q-SB2 Sub-Bass Supplements

**SOUNDSPHERE**  
LOUDSPEAKERS



### Specifications: Q-SB2

### Mounting hardware included

Nominal Impedance	4 ohms
Power Handling	800W
Sensitivity dB @ 2.83V/1M	102 dB
Sensitivity dB @ 1W/1M (2)	99 dB
Frequency Response ( $\pm 10$ dB)	40 Hz - 200 Hz
Max. Program Power	1600 W
Max. Continuous Power RMS	800 W
Max. Power SPL @ 1 M	128 dB
Transducer - Low Frequency Driver	18" Treated Pulp Fiber
Low Frequency Voice Coil	101.6 mm / 4"
Coverage Angles	Horizontal / 360
Enclosure - material	Fiberglass with gelcoat finish
Enclosure - description	White (paintable); custom colors available
Inputs	4-pin Neutrik
Height (SM = Height)	813 mm / 32"
Diameter (SM = Width)	813 mm / 32"
Weight	37.2 kg / 82 lbs
Shipping Weight	44.9 kg / 99 lbs
Accessories Optional	Hanging Kit (HKXL), Universal Beam Clamp (BCL), Electronic Crossover (Q-CX)
Packaging	One per box
Regulatory - CE	approved
Regulatory - RoHS	approved

### Key Features

- » High power handling capacity (800 W/4 ohms)
- » High sensitivity (99 dB 1W/1m)
- » High SPL capability (128 dB)
- » Standard and custom colors available

### Description

For low-frequency response at high sound pressures:

- Gymnasiums
- Ice Rinks
- Arenas
- Churches
- Bars & Nightclubs
- Where enhanced low-frequency response is required at high sound pressure levels.

The Q-SB2 is Soundsphere's largest loudspeaker, designed for installations requiring enhanced low-frequency response at high sound pressure levels. Applications include gymnasiums, ice rinks, arenas, churches, bars and nightclubs.

The Q-SB2 offers high power handling capability (800W/4 ohms), high sensitivity (99dB 1W/1m) and high SPL capability (128dB 800W/1m). Both standard and custom

colors are available.

### Applications

Providing enhanced low-frequency performance at high sound pressure levels in Model Q-12A systems, the Q-SB2 sub-bass supplement is ideal for applications such as gymnasiums, ice rinks, arenas, churches, bars/nightclubs and much more.

### Patented Soundsphere Technologies

Soundsphere and MSE Audio Group constantly develop new technologies that enhance audio product performance. Soundsphere innovations are protected by multiple patents, which explicitly cover Soundsphere's dispersion and enclosure technologies. MSE Audio Group actively defends its patents in order to protect Soundsphere resellers and end users

### Patented Soundsphere Technologies

Soundsphere and MSE Audio Group constantly develop

new technologies that enhance audio product performance. Soundsphere innovations are protected by multiple U.S. and international patents, which explicitly cover Soundsphere dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect Soundsphere resellers and end users.

### Technical Data and Specification Tools

#### Technical Data

Soundsphere strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at [www.soundtube.com](http://www.soundtube.com). Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

### Data Acquisition and Verification

All data for Soundsphere speakers are independently collected from and verified by NWAALabs ([www.nwaalabs.com](http://www.nwaalabs.com)) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

### Architectural Specifications

The loudspeaker driver shall consist of a dual 18-inch (457 mm) treated pulp fiber woofer. Performance specifications of a typical production unit shall be as follows: Useable frequency response shall extend from 40 Hz to 200 kHz (-10 dB). Measured sensitivity (1 Watt/1 meter) shall be at least 99 dB. The speaker shall have a rated impedance of 4 ohms. Rated power capacity shall be at least 800 Watts continuous (RMS) and conform to EIA-426-B testing. Calculated maximum continuous output at 1 meter

shall be 128 dB. The complete loudspeaker shall be no more than 32 inches (813 mm) in height and 27-3/4 inches (705 mm) wide. The driver shall be mounted in a spherical enclosure made of fiberglass with gelcoat finish that is no more than 32 inches (813 mm) in diameter. The complete loudspeaker shall weigh no more than 82 lbs. (37.2 kg). All hardware shall be rust- and corrosion-resistant stainless or plated steel. The loudspeaker shall be equipped with three eyebolts to facilitate hanging. Optional accessories shall include: an Electronic Crossover (Q-CX), a Universal Beam Clamp (BCL) and a Hanging Kit (HKXL) for three-point suspension. The system shall be the Soundsphere® Model Q-SB2 sub-bass supplement.

### Soundsphere

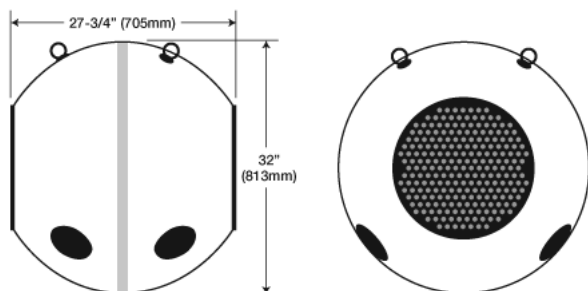
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All Soundsphere products come with a 5-year limited warranty.

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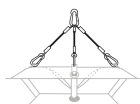
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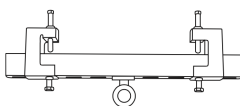
## Mechanical Drawings



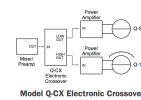
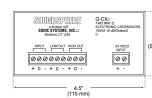
## Optional Accessories



**Hanging Kit (HKXL)**



**Universal Beam Clamp (BCL)**



**Electronic Crossover (Q-CX)**