

LB6-100S Compact Sound Speaker System

www.boschsecurity.com



BOSCH
Invented for life



- ▶ A complete matched background/foreground music speaker solution.
- ▶ Large 8-inch (200 mm) woofer transducer for substantial low frequency output.
- ▶ Direct connection of satellites to subwoofer – simplifies installation wiring.
- ▶ Mounting brackets with wide range of motion for surface mount satellites provide easy and secure mounting of speaker to wall.
- ▶ Convenient detachable phoenix style signal connections speed up installation time.

The LB6-100S is a very compact full-range loudspeaker ideal for applications requiring high-quality sound. Its shape flexibility and size make it nearly invisible for use in background/foreground music systems for restaurants, bars, patios, retail, and other applications. The system consists of a high performance 8-inch subwoofer module with a crossover network to support the included four (4) 2-inch satellite speakers. Available colors are black or white. The system provides for easy signal connections at the subwoofer and can support either 4/8 ohm or 70/100v signal connections. Its high power handling allows the system to be used in a wide variety of environments and spaces to provide high quality background or foreground music.

Certifications and approvals

Region	Certification
Europe	CE
	CE

Parts included

Quantity	Description
2	Surface mount satellite speakers
2	Wall brackets
2	Speaker brackets
1	Data sheet
2	M6 hex drive pan-head screws
4	M5 pan-head screws
2	Screw sockets
1	Hex wrench

* Surface mount satellite speaker (1 box)

Quantity	Description
1	Surface mount subwoofer
1	Wall bracket, assembled in box
1	Installation manual
4	M6 hex drive pan-head screws

Quantity	Description
4	Rubber feet
1	Hex wrench

* Surface mount subwoofer

Technical specifications

	Surface mount satellite speaker	Surface mount subwoofer
Frequency Response (-10 dB):	180 Hz – 20 kHz ¹	42 Hz – 300 Hz ¹
Power Handling:	30 W ²	200 W ²
Sensitivity:	84 dB ¹	88 dB ¹
Impedance:	16 ohms	Dual 8 ohm / mono 4 ohm
Maximum SPL:	102 dB ¹	114 dB ¹
Voice Coverage (H x V):	150° x 150° ³	Omnidirectional
Music Program Coverage (H x V):	100° x 100° ⁴	Omnidirectional
Transducer:	50 mm (1.97 in)	200 mm (7.87 in)
Bracket Adjustment Range (H x V):	160° x 60°	Fixed
Connectors:	Phoenix (2-pin)	Phoenix (2-pin)
Enclosure:	ABS (fire rated)	Wood (MDF)
Transformer Taps:	NA	100 W, 50 W, 25 W, 12.5 W
Dimensions (H x W x D):	115 mm x 85 mm x 95 mm (4.53 in x 3.35 in x 3.75 in)	400 mm x 400 mm x 230 mm (15.75 in x 15.75 in x 9.06 in)
Net Weight: (each)	0.5 kg (1.1 lb)	12.05 kg (26.55 lb)
Shipping Weight:	1 sub and 4 satellites: 18.26 kg (40.25 lb)	
Included Accessories:	Wall bracket; hex wrench	

¹Half space (wall mounting).

²Long Term Program Rating, 3 dB greater than continuous noise pink noise rating.

³Average 1 kHz – 4 kHz.

⁴Average 1 kHz – 8 kHz.

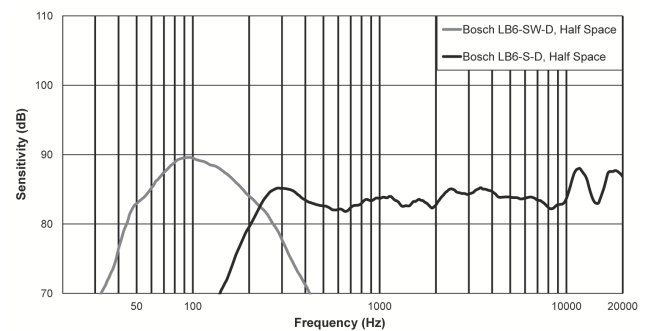
Architectural and Engineering Specifications:

The loudspeaker system shall be a two-way design consisting of a separate subwoofer containing one 8-inch (200 mm) low-frequency transducer, (4) satellites consisting of 2 inch (50 mm) high-frequency transducers, and frequency-dividing network installed in the vented subwoofer enclosure. All input and output signal connections shall be made at the

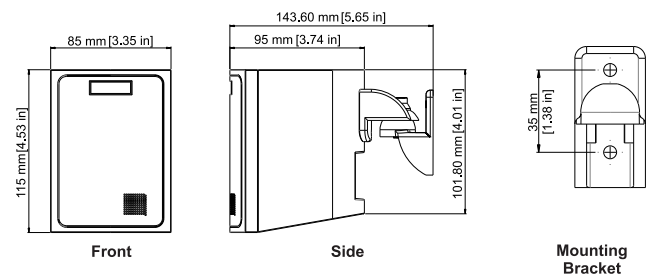
subwoofer. All signal connections for the subwoofer and satellite speakers shall be made using phoenix style connectors. The system shall be operable either in stereo or monaural mode when powered with a 4/8 low impedance amplified source. The system shall be capable of operating up to 100 watts when driven with a 100V or 70V amplified source signal. The loudspeaker system shall meet the following performance criteria: Power handling, 200 watts of Long Term Program Rating; Frequency response, 42 Hz – 20 kHz (-10 dB from rated sensitivity); Impedance, 8 ohms nominal in stereo mode, 4 ohms nominal in mono mode. The high frequency transducer in the satellites speakers shall provide even coverage of a minimum 100° horizontally by 100° vertically averaged over a frequency range of 1-8 kHz and a minimum 150° horizontally by 150° vertically averaged over a frequency range of 1-4 kHz. The subwoofer enclosure shall be constructed of MDF with a vinyl wrapped exterior. The satellite speakers shall be constructed of fire rated ABS. The subwoofer enclosure shall be 15.75 inch (400 mm) high, 15.75 inch (400 mm) wide, and 9.06 inch (230 mm) deep. The satellite loudspeakers shall be adjustable over a range of 160° horizontally and 60° vertically. The support bracket shall be low profile and fully detachable from the enclosure.

The surface mount loudspeaker system shall be the LB6-100S-D or the LB6-100S-L models made by Bosch.

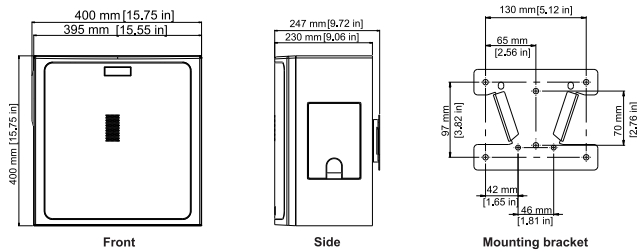
Frequency Response:



Dimensions:



Surface mount satellite speaker and mounting bracket



Surface mount subwoofer and mounting bracket



Notice

The mounting bracket dimension drawings are not to scale. Drawing sizes increased for readability.

Ordering information

LB6-100S-D Compact Sound Speaker System Black

Wall mount speaker system package - surface mount subwoofer and four (4) surface mount satellite speakers; black

Order number **LB6-100S-D**

LB6-100S-L Compact Sound Speaker System White

Wall mount speaker system package - surface mount subwoofer and four (4) surface mount satellite speakers; white

Order number **LB6-100S-L**

Represented by:

Americas:

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com