

S26 II, S38 II, S310 II, S312 II

JBL

OWNER'S GUIDE

PRODUCT LINE: STUDIO™ SERIES

DESIGN GOAL: Bring the thrill of live performance and movie sound to the home environment by calling on JBL's professional engineering leadership.

TWEETER TYPE: Pure-titanium dome with EOS™ waveguide

WOOFER TYPE: Cast-aluminum basket with HeatScape™ motor structure

CROSSOVER NETWORK: Straight-Line Signal Path™ (SSP)

PORT DESIGN: FreeFlow™ flared

PROFESSIONAL REFERENCE: Studio Monitor

THANK YOU FOR CHOOSING JBL

For more than 50 years, JBL has been involved in every aspect of music and film recording and reproduction, from live performances to the recordings you play in your home, car or office.

We're confident that the JBL loudspeakers you have chosen will provide every note of enjoyment that you

expected – and that when you think about purchasing additional audio equipment for your home, car or office, you will once again choose JBL.

Please take a moment to complete the enclosed profile card. It enables us to keep you posted on our latest advancements, and helps us to better

understand our customers and build products that meet their needs and expectations.

JBL Consumer Products

Declaration of Conformity



We, Harman Consumer International
2, route de Tours
72500 Chateau-du-Loir
France

declare in own responsibility, that the products described in this owner's manual are in compliance with technical standards:

EN 50081-1:1992

EN 50082-1:1997

A handwritten signature in black ink, appearing to be 'Luc E. Godard'.

Luc E. Godard
Harman Consumer International
Chateau-du-Loir, France, 9/01

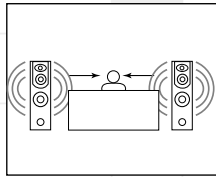
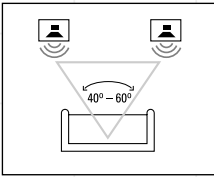
SPEAKER PLACEMENT

Proper placement of the speakers is an important step in obtaining the most realistic soundstage possible. These recommendations are for the optimum placement of the

loudspeakers. Use these placement recommendations as a guide. Slight variations will not diminish your listening pleasure.

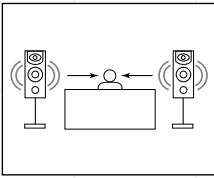
All of the Studio Series loudspeakers are video-shielded and can safely be placed near a television.

MODELS: S310II, S312II

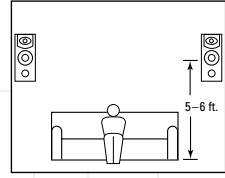
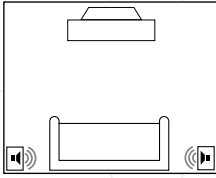


MODEL: S26II

As Front Speakers



As Surround Speakers



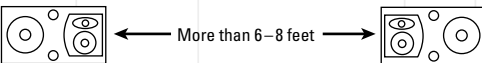
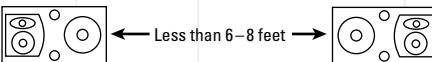
MODEL: S38II

The S38II can be oriented either horizontally or vertically; however, best performance will result from horizontal placement. The logo may be oriented as

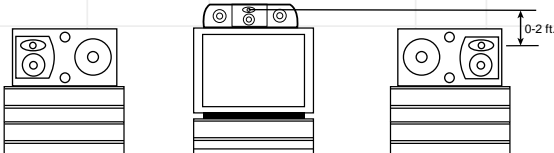
needed by gently pulling it out slightly, rotating it, and releasing it so that it snaps into place. Although these loudspeakers are designed as a mirrored pair, the

decision as to which one is left or right will depend on the amount of space left between them.

For stereo-only applications:



For home theater applications:

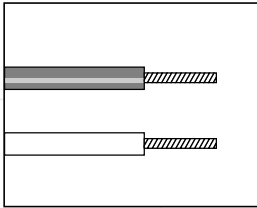


A wider stereo image is presented with the tweeter/midrange array outboard, and a tighter image is presented with the array inboard.

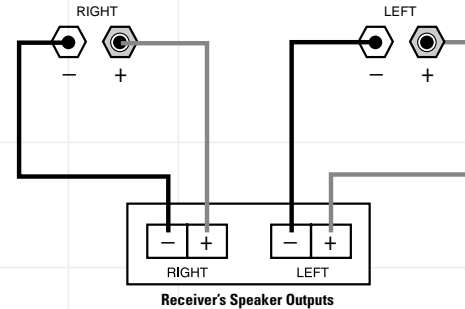
This placement provides a wide spread in sound, supplemented by the center channel speaker.

SPEAKER CONNECTIONS

CONNECTION TIPS



Speakers and electronics terminals have corresponding (+) and (-) terminals. It is important to connect both speakers identically: (+) on the speaker to (+) on the amplifier and (-) on the speaker to (-) on the amplifier. Wiring "out of phase" results in thin sound, weak bass and a poor stereo image. With the advent of multichannel



surround-sound systems, connecting all of the speakers in your system with the correct polarity remains equally important in order to preserve the proper ambience and directionality of the program material. To use the binding-post speaker terminals, unscrew the collar until

the pass-through hole in the center post is visible under the collar. Insert the bare end of the wire through this hole; then screw the collar down until the connection is tight. The hole in the center of each collar is intended for use with banana-type connectors.

MODELS: S310II, S312II

These models feature four rubber feet that enable them to be placed on a smooth-surfaced floor, such as tile or hardwood. Four metal spikes are supplied for use when the speaker is to be placed on a carpeted surface to decouple the speaker from the floor and prevent unwanted damping. To insert the spikes, gently lay the speaker on its side (not its front or back) on a soft, nonabrasive surface. Each spike screws into the threaded insert in the center of each rubber foot. Make sure all four spikes

are screwed in completely for stability.

NEVER drag the speaker to move it, as this will damage the spikes, the feet and/or the wood cabinet itself. Always lift the speaker and carry it to its new location.

CAUTION: Floorstanding (tower) loudspeakers have a high center of gravity and may become unstable and tip over during earthquakes or if rocked, tipped or improperly positioned. If this is a concern, these speakers should be anchored to the

wall behind them, using the same procedures and hardware customary for anchoring bookcases and wall units. Customer is responsible for proper installation and proper selection of hardware.

MODELS: S26II, S38II

The supplied self-adhesive felt pads may be attached to the bottom corners of your speakers to protect your furniture.

TROUBLESHOOTING

If there is no sound from any of the speakers:

- Check that receiver/amplifier is on and that a source is playing.
- Review proper operation of your receiver/amplifier.

If there is no sound coming from one speaker:

- Check the "Balance" control on your receiver/amplifier.
- Check all wires and connections between receiver/amplifier and speakers.
- Make sure no wires are touching other wires or terminals and creating a short circuit.
- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- In Dolby* Digital or DTS® mode, make sure that the receiver/processor is configured so that the speaker in question is enabled.
- Turn off all electronics and switch the speaker in question with one of the other speakers that is working correctly. Turn everything back on, and determine whether the problem is in the same place, i.e., the speaker that was working previously now has no sound and the speaker that was not working now sounds fine; or whether it has moved,

i.e., the speaker that was not working still has no sound and the speaker that was working is still fine. If the problem is in the same place, the source of the problem is most likely with your receiver or amplifier, and you should consult the owner's manual for that product for further information. If the problem has followed the speaker, consult your dealer for further assistance or, if that is not possible, visit our Web site at www.jbl.com for further information.

If the system plays at low volumes but shuts off as volume is increased:

- Check all wires and connections between receiver/amplifier and speakers.
- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- If more than one pair of main speakers is being used, check the minimum impedance requirements of your receiver/amplifier.

If there is no (or low) bass output:

- Make sure the polarities (+ and -) of the left and right "Speaker Inputs" are connected properly.
- Consider adding a powered subwoofer to

your system for use with digital ".1" surround formats.

If there is no sound from the surround speakers:

- Check all wires and connections between receiver/amplifier and speakers. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- Review proper operation of your receiver/amplifier and its surround sound features.
- Make sure the movie or TV show you are watching is recorded in a surround sound mode. If it is not, check to see if your receiver/amplifier has other surround modes you may use.
- In Dolby Digital or DTS mode, make sure your receiver/processor is configured so that the surround speakers are enabled.
- Review the operation of your DVD player and the jacket of your DVD to make sure that the DVD features the desired Dolby Digital or DTS mode, and that you have properly selected that mode using both the DVD player's menu and the DVD disc's menu.

SPECIFICATIONS

	S26ii	S38ii
Description:	2-Way 6" bookshelf	3-Way 8" horizontal/vertical, mirror-image bookshelf
Maximum Recommended Amplifier Power**:	150W	175W
Nominal Impedance:	8 Ohms	8 Ohms
Sensitivity (2.83V/1m):	87dB	89dB
Frequency Response (-3dB):	48Hz – 20kHz	45Hz – 20kHz
Crossover Frequency(ies):	2000Hz	800Hz, 3200Hz
High-Frequency Transducer:	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide
Midrange Transducer:	NA	4" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, shielded; Linear Field Proximity™ (LFP) bezel
Low-Frequency Transducer(s):	6" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, SFG™ magnetic shorting rings, high-temp oversized Kapton® voice coil, HeatScape™ motor structure, cast-aluminum baskets, shielded	8" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, SFG™ magnetic shorting rings, high-temp oversized Kapton® voice coil, HeatScape™ motor structure, cast-aluminum baskets, shielded
Baffle:	Low Diffraction, IsoPower™	Low Diffraction, IsoPower™
Port:	FreeFlow™ flared	FreeFlow™ flared
Network:	Straight-Line Signal Path™ (SSP)	Straight-Line Signal Path™ (SSP)
Terminals:	All-metal, gold-plated, 5-way binding posts	All-metal, gold-plated, 5-way binding posts
Dimensions (H x W x D):	17" x 9-1/2" x 9-1/2" 432mm x 241mm x 241mm	In horizontal configuration: 11-1/2" x 17-1/2" x 11-3/4" 292mm x 445mm x 298mm
Weight per Speaker:	22 lb/10kg	28 lb/12.7kg



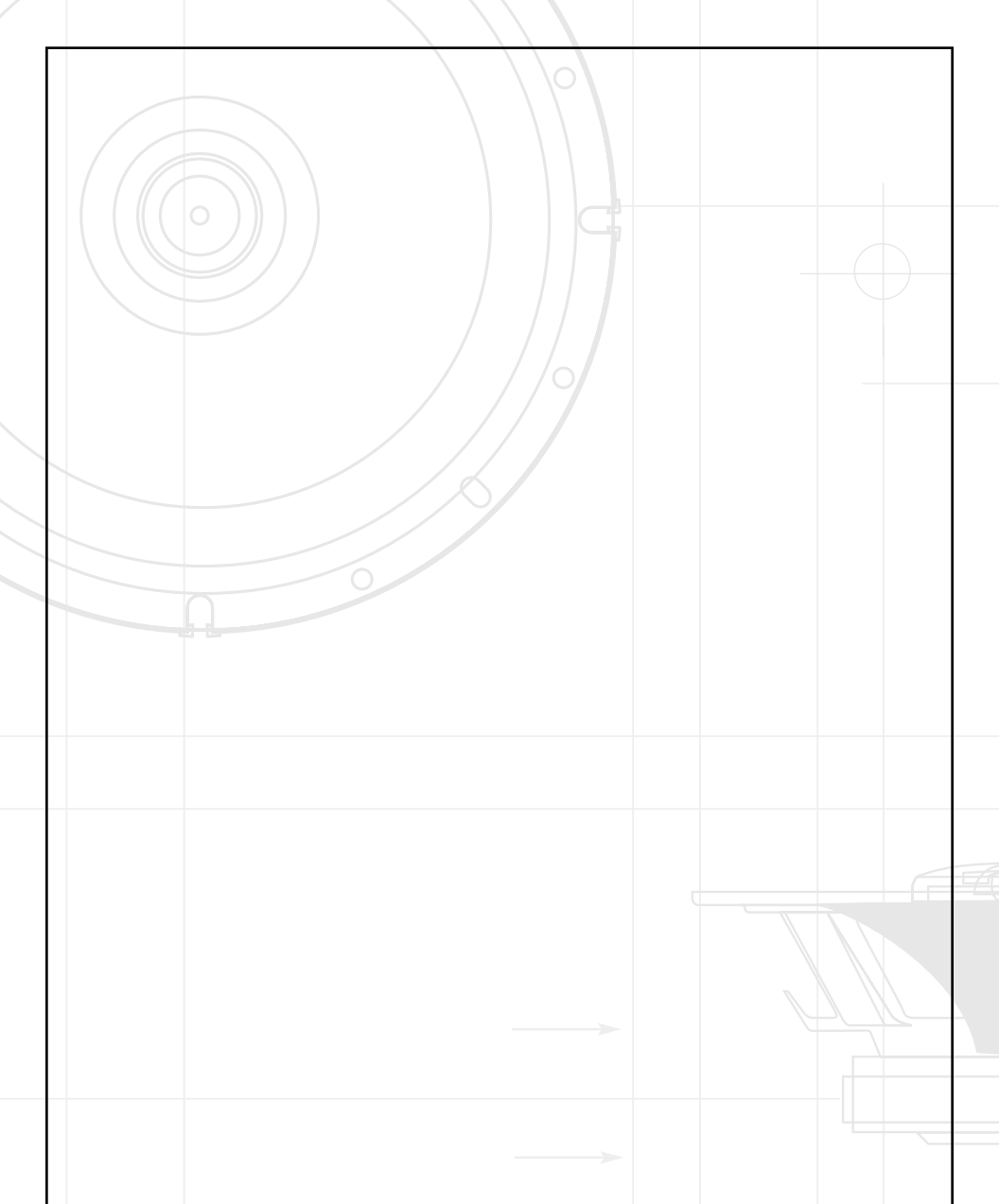
	S310ii	S312ii
Description:	3-Way 10" floorstanding	3-Way 12" floorstanding
Maximum Recommended Amplifier Power:**	200W	250W
Nominal Impedance:	8 Ohms	8 Ohms
Sensitivity (2.83V/1m):	91dB	92dB
Frequency Response (-3dB):	37Hz – 20kHz	35Hz – 20kHz
Crossover Frequencies:	850Hz, 3500Hz	750Hz, 3000Hz
High-Frequency Transducer:	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide
Midrange Transducer:	4" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, shielded; Linear Field Proximity™ (LFP) bezel	4" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, shielded; Linear Field Proximity™ (LFP) bezel
Low-Frequency Transducer(s):	10" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, SFG™ magnetic shorting rings, high-temp oversized Kapton® voice coil, HeatScape™ motor structure, cast-aluminum baskets, shielded	12" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, SFG™ magnetic shorting rings, high-temp oversized Kapton® voice coil, HeatScape™ motor structure, cast-aluminum baskets, shielded
Baffles:	Low Diffraction, IsoPower™	Low Diffraction, IsoPower™
Port:	FreeFlow™ flared	FreeFlow™ flared
Network:	Straight-Line Signal Path™ (SSP)	Straight-Line Signal Path™ (SSP)
Terminals:	All-metal, gold-plated, 5-way binding posts	All-metal, gold-plated, 5-way binding posts
Dimensions (H x W x D):	38" x 13" x 12-1/2" 965mm x 330mm x 318mm	41" x 14-3/4" x 12-1/4" 1041mm x 375mm x 311mm
Weight per Speaker:	55 lb/25kg	77 lb/35kg

All features and specifications are subject to change without notice.

*Trademark of Dolby Laboratories.

DTS is a registered trademark of Digital Theater Systems, Inc.

**The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.



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**PRO SOUND
COMES HOME™**

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