

# 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.

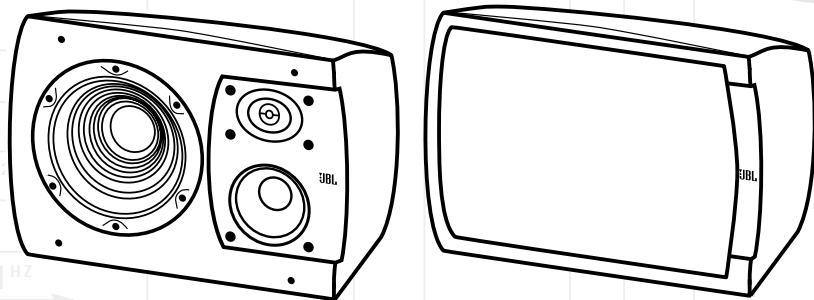
We're confident that the JBL loudspeakers you have chosen will provide every note of

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



## S36II, S36AWII

# 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)

**ENCLOSURE DESIGN:** Sealed

**PROFESSIONAL REFERENCE:** Studio Monitor

# SPEAKER PLACEMENT

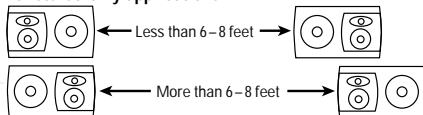
Proper placement of the speakers is an important step in obtaining the most realistic soundstage possible. These recommendations are for the optimal placement of the loudspeakers. Use these placement recommendations as a guide. Slight variations will not diminish your listening pleasure.

The Studio Series S36II and S36AWII loudspeakers are video-shielded and can safely be placed near a television.

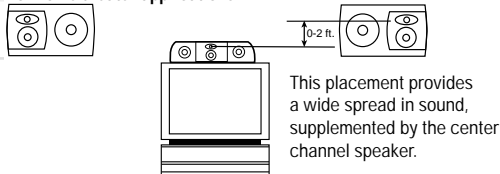
The S36AWII loudspeakers are weather-resistant and are specifically designed for outdoor use, such as in a patio area. As noted below, we recommend mounting the speakers under an

overhang, such as roof eaves, for added protection. The S36AWII speakers, because they are resistant to moisture, are also appropriate for mounting in a bathroom, although not inside a bathtub or shower stall.

## For stereo-only applications:



## For home theater applications:



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.

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

# WALL-MOUNTING

**Do not attempt to mount these speakers on a ceiling, on the underside of roof eaves or in a shower stall.**

The S36II and S36AWII loudspeakers may be positioned on the wall either horizontally or vertically. The grille logo on each speaker may be rotated depending on how the speaker is positioned. Gently pull the logo away from the grille slightly, rotate it to the desired position, and let go. The logo will snap back into place.

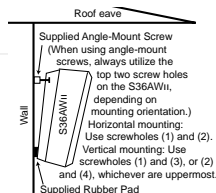
When mounted vertically, the tweeter array may be positioned either up or down, depending on the height of the placement. If the speakers will be above ear level, the tweeter array should be positioned down, preferably no more than two feet above ear level. If the speakers will be mounted very low, it may be best to position the tweeter array upward so that it will be no more than two feet below ear level.

The S36II and S36AWII enclosures are specially designed to angle the speakers

toward the listener when mounted flush against the wall.

When mounting the S36AWII speakers outdoors, we recommend that you place them under an overhang, such as roof eaves, for added protection, and that you use two of the supplied special angle-mount screws per speaker, which angle the speakers downward at a greater-than-usual angle, facilitating water drainage.

**NOTE:** When using the enclosed angle-mount screws, always use the top two screw locations appropriate for the specific mounting orientation of your S36AWII. Referring to the enclosed installation template, screw locations (1) and (2) are to be used when mounting the S36AWII horizontally so that these locations are on top. To mount the loudspeakers vertically, use locations (2) and (4) or locations (1) and (3), depending on the mounting orientation. Do not mount the S36AWII upside down (with screw locations (3) and (4) on



top) because it won't be able to lock onto the screw heads. Remember that the JBL logo on the tweeter/mid faceplate can be rotated with choice of speaker position (vertical or horizontal). At least one screw per speaker should be installed in a wooden wall stud. Select an appropriate wall anchor for the other screw. If the special angle-mount screws are not being used, size 10 screws of at least 1-1/2" in length are recommended. If the screws are used in drywall or other surfaces incapable of holding the screw by itself, selection of proper anchors is essential. The customer is solely responsible for proper selection and installation of screws, anchors and other installation hardware. Further installation details are included on the installation template.

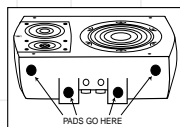
**Installation of Self-Adhesive Rubber Pads:** If the speaker is to be placed on a surface (such as a table top or shelf) rather than wall-mounted, the enclosed self-adhesive rubber pads are to be attached to the bottom of the speaker cabinet in their designated recessed locations. If the speaker is to be wall-mounted, then the four self-adhesive rubber pads should be attached to the back of the speaker, as shown in the bottom right diagram.

When angle-mounting the S36AWii, only two of the rubber

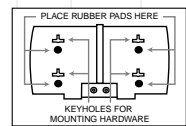
pads are required, and they need to be installed on the back of the loudspeaker, near the lower edge, so that they are located between the S36AWii back and the mounting surface. Please see the enclosed installation template for more details.

**NOTE:** The threaded inserts on the bottom of the speakers are to be used only with JBL accessories that have been developed specifically for the S36 and that may become available at a future date. Do not attempt to install bolts

or any non-JBL brackets or accessories to these threads, as this might damage the speaker and dislodge the insert.



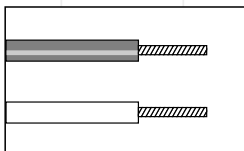
For tabletop or shelf placement



For wall-mounting

## SPEAKER CONNECTIONS

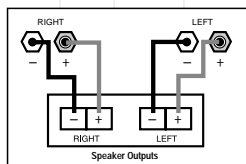
### CONNECTION TIPS



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.

## 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.
- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.

### 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 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<sup>®</sup> Digital or DTS<sup>®</sup> 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](http://www.jbl.com) for further information.

# SPECIFICATIONS

## S36II/S36AWII

**Description:** S36II – 3-Way 6" horizontal/vertical mirror-image wall-mount/  
bookshelf loudspeakers  
S36AWII – 3-Way 6" horizontal/vertical mirror-image wall-mount/  
bookshelf, weather-resistant loudspeakers

**Maximum Recommended  
Amplifier Power:\*\*** 150W

**Nominal Impedance:** 8 Ohms

**Sensitivity (2.83V/1m):** 90dB

**Frequency Response (-3dB):** 60Hz – 20kHz

**Crossover Frequencies:** 650Hz, 3000Hz

**High-Frequency Transducer:** 1" Pure-titanium dome, with rubber surround, shielded;  
Elliptical Oblate Spheroidal™ (EOS) waveguide

**Midrange Transducer:** S36II – 4" PolyPlas™ (polymer-coated cellulose fiber) cone,  
rubber surround, shielded; Linear Field Proximity™ (LFP) bezel  
(model S36AWII uses a shielded WeatherPlas™ midrange)

**Low-Frequency Transducer:** S36II – 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  
(model S36AWII uses a shielded WeatherPlas™ woofer)

**Baffles:** Low diffraction, IsoPower™

**Enclosure:** Sealed

**Network:** Straight-Line Signal Path™ (SSP)

**Terminals:** All-metal, gold-plated, 5-way binding posts

**Dimensions (H x W x D):** 10-1/4" x 14-5/8" x 5"  
260mm x 371mm x 127mm

**Weight:** 11 lb/5kg

\* Dolby is a 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.

All features and specifications are subject to change without notice.



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72500 Chateau-du-Loir  
France

declare in own responsibility, that the  
loudspeakers described in this owner's manual  
are in compliance with technical standards:  
EN 50081-1:1992  
EN 50082-1:1997

Luc E. Godard  
Harman Consumer International  
Chateau-du-Loir, France, 7/01

## OWNER'S GUIDE

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MODEL  
NUMBERS: **S36II, S36AWII**

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**PRO SOUND  
COMES HOME™**

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