

# SPECIFICATIONS

## SCS150 System

**Frequency Response**  
30Hz – 20kHz (–6dB)

### Satellites

**Recommended Power**

10 – 100 watts

**Impedance**

8 ohms nominal

**Sensitivity**

88dB @ 1 watt/1 meter

**Tweeter**

One 1/2" titanium-laminate dome, video-shielded

**Midrange**

Dual 3" drivers, video-shielded

**Dimensions (H x W x D)**

8-1/8" x 3-1/2" x 3-7/8"

206mm x 89mm x 99mm

**Weight**

2.65 lb/1.2kg

### Center

**Recommended Power**

10 – 100 watts

**Impedance**

8 ohms nominal

**Sensitivity**

88dB @ 1 watt/1 meter

**Tweeter**

One 1/2" titanium-laminate dome, video-shielded

**Midrange**

Dual 3" drivers, video-shielded

**Dimensions (H x W x D)**

3-1/2" x 8-1/8" x 3-7/8"

89mm x 206mm x 99mm

**Weight**

2.65 lb/1.2kg

### Subwoofer

**Amplifier**

150 watts RMS

**Woofer**

10"

**Enclosure**

Bass reflex

**Dimensions (H x W x D)**

17-3/4" x 15-3/4" x 16-3/4"

451mm x 400mm x 426mm

**Weight**

35 lb/15.9kg

All features and specifications are subject to change without notice.

\* Dolby and Pro Logic are trademarks of Dolby Laboratories.

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

## OWNER'S GUIDE

PRODUCT LINE:

**Surround Cinema Speakers**

MODEL NUMBER: **SCS150**

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

**SATELLITE TYPE:** Titanium-laminate-dome tweeter, sealed enclosure

**SUBWOOFER TYPE:** Bass-reflex enclosure

**PORT DESIGN:** FreeFlow™ flared

**PROFESSIONAL REFERENCE:** Cinema Loudspeaker Series

**JBL**

**PRO SOUND  
COMES HOME™**

JBL Consumer Products  
250 Crossways Park Drive, Woodbury, NY 11797  
8500 Balboa Boulevard, Northridge, CA 91329  
800-336-4JBL (4525) (USA only)  
[www.jbl.com](http://www.jbl.com)

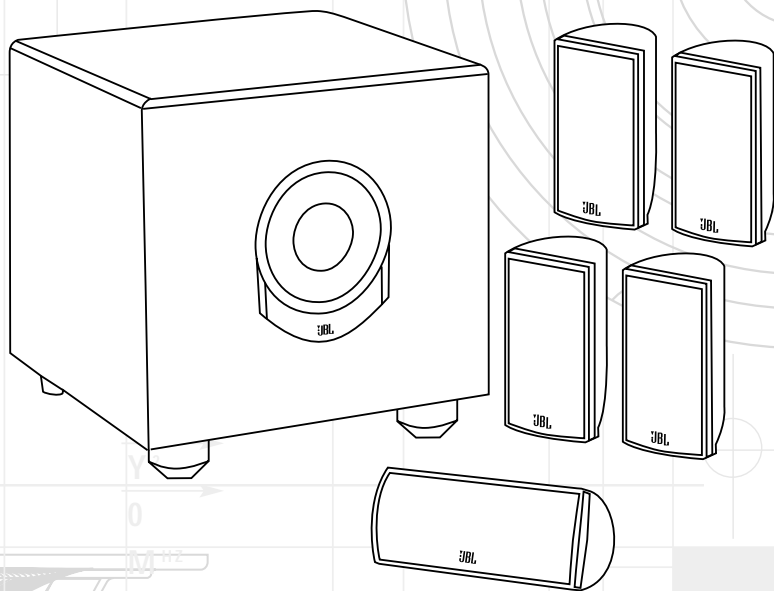
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Part No. a15139



H A Harman International Company



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# JBL

# READ THIS! Important Safety Precautions!

## CAUTION

### RISK OF ELECTRIC SHOCK DO NOT OPEN

**CAUTION:** To prevent electric shock, do not remove the grounding plug on the power cord, or use any plug or extension cord that does not have a grounding plug provided.

Make certain that the AC outlet is properly grounded. Do not use an adapter plug with this product.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- 1. Read Instructions.** All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions.** The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings.** All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions.** All operating and use instructions should be followed.
- 5. Cleaning.** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. Attachments.** Do not use attachments not recommended by the product manufacturer, as they may cause hazards.
- 7. Water and Moisture.** Do not use this product near water—for example, near a bathtub, wash bowl, kitchen sink or laundry tub; in a wet basement; near a swimming pool; or the like.
- 8. Accessories.** Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. A Product and Cart Combination Should Be Moved with Care.** Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
- 10. Ventilation.** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation, such as a bookcase or rack, unless proper



ventilation is provided or the manufacturer's instructions have been adhered to.

**11. Power Sources.** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

**12. Grounding or Polarization.** This product may be equipped with a polarized alternating-current-line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**13. Power-Cord Protection.** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**14. Nonuse Periods.** The power cord of the product should be unplugged from the outlet when left unused for long periods of time.

**15. Outdoor Antenna Grounding.** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

**16. Lightning.** For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**17. Power Lines.** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system,

extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

**18. Overloading.** Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

**19. Object and Liquid Entry.** Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

**20. Servicing.** Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**21. Damage Requiring Service.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen onto, or liquid has been spilled into, the product; or
- The product has been exposed to rain or water; or
- The product does not operate normally when following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation; or
- The product has been dropped or damaged in any way; or
- The product exhibits a distinct change in performance; this indicates a need for service.

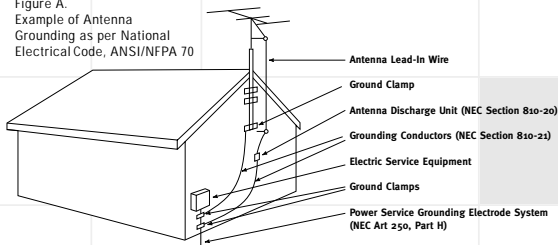
**22. Replacement Parts.** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

**23. Safety Check.** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

**24. Wall or Ceiling Mounting.** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

**25. Heat.** The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

Figure A.  
Example of Antenna  
Grounding as per National  
Electrical Code, ANSI/NFPA 70



# 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 system you have chosen will provide

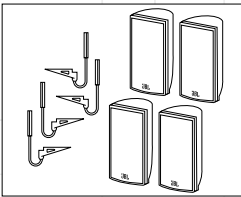
every note of enjoyment that you expected – and that when you think about purchasing additional audio equipment for your home, car or office, you will once again choose JBL.

Please take a moment to complete the enclosed profile card. It enables

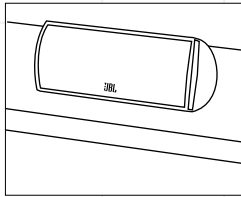
us to keep you posted on our latest advancements, and helps us to better understand our customers and build products that meet their needs and expectations.

JBL Consumer Products

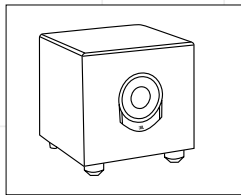
## INCLUDED



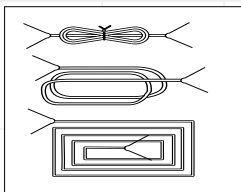
Four satellites for left, right and surrounds. Wall-mount brackets.



One center-channel speaker with adjustable support leg.



Powered subwoofer.



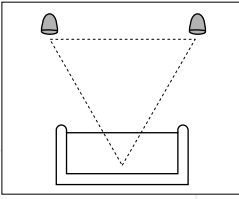
Two 20' speaker cables for connection from receiver to subwoofer.

Two 15' speaker cables for connection from subwoofer to front speakers.

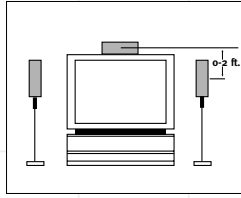
Three 40' speaker cables for connection from receiver to left and right rear satellites and center speaker.

# SPEAKER PLACEMENT

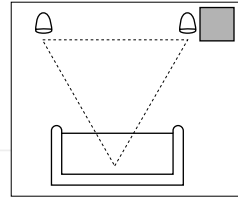
## Front Speakers



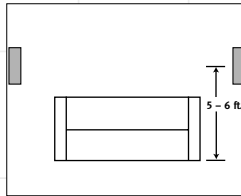
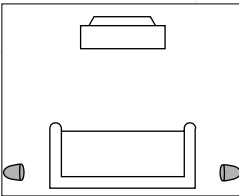
## Center-Channel Speaker



## Subwoofer



## Surround Speakers



The front speakers should be placed the same distance from each other as they are from the listening position. They should be placed at about the same height from the floor as the listeners' ears will be, or they may be angled toward the listeners.

The center-channel speaker should be placed slightly behind the front left and right speakers, and no more than two feet above or below the tweeters of the left and right speakers. It is often convenient to set the center speaker on top of the television set, as shown in the drawing. Use the supplied support leg to aim it toward the listener

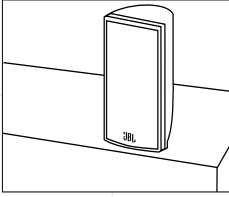
by screwing the leg in to angle the speaker up, or unscrewing the leg slightly to angle the speaker down.

The two surround speakers should be placed slightly behind the listening position and, ideally, should face each other and be at a level higher than the listeners' ears. If that is not possible, they may be placed on a wall behind the listening position, facing forward. The surround speakers should not call attention to themselves. Experiment with their placement until you hear a diffuse, ambient sound accompanying the main-program material heard in the front speakers.

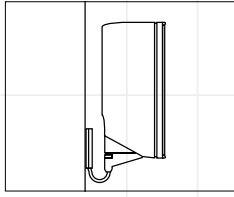
The low-frequency material reproduced by the subwoofer is mostly omnidirectional, and this speaker may be placed in a convenient location in the room. However, bass reproduction will be maximized when the subwoofer is placed in a corner along the same wall as the front speakers. Experiment with subwoofer placement by temporarily placing the subwoofer in the listening position and moving around the room until the bass reproduction is best. Place the subwoofer in that location.

# MOUNTING OPTIONS

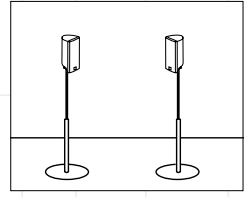
## Satellites and Surrounds



On shelves.

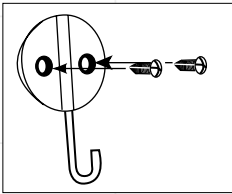


On the wall. Wall brackets are included.



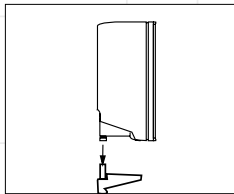
On optional stands (FS400).

## Wall-Mounting

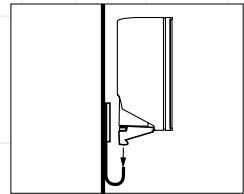


Attach plate to wall. The brackets should be placed, if possible, so that the screws will fasten into a wooden wall stud. If that is not possible, use properly selected wall anchors.

The customer is responsible for proper selection and use of mounting hardware, available through hardware stores, to properly and safely wall-mount the speakers.



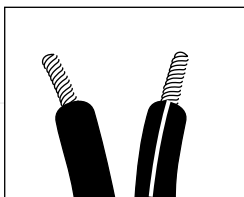
Slide speaker onto support.



Place speaker and support on wall plate.

# SPEAKER CONNECTIONS

## Connection Tips



Separate and strip the ends of the speaker wire as shown. Speakers and electronics terminals have corresponding (+) and (-) terminals. Most manufacturers of speakers and electronics, including JBL, use red to denote the (+) terminal and black for the (-) terminal.

The (+) lead of the speaker wire is noted with a stripe. 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 connect the supplied speaker wires to the satellite and center speaker terminals, press the red or black plastic tab for the desired terminal, insert the bare end of the wire into the hole and release the tab. Gently tug on the wire to make sure that it is fully inserted.

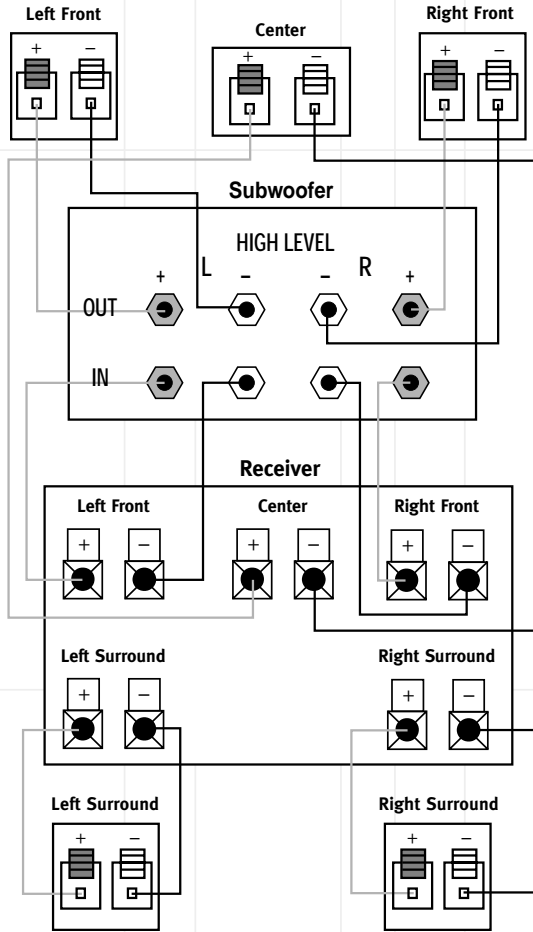
To use the binding-post speaker terminals on the subwoofer, unscrew the colored collar until the pass-through hole in the center post is visible under the collar. Insert the bare end of the wire through this hole; then screw the collar down until the connection is tight. The hole in the center of each collar is intended for use with banana-type connectors.

## Dolby® Pro Logic® (Non-Digital) – Speaker Level

Use this installation method for Dolby Pro Logic applications (not Dolby Digital, DTS® or other digital processing), where the receiver/processor does not have a subwoofer output, or a volume-controlled preamp (line-) level output:

Connect your receiver or amplifier's front left and right speaker terminals to the left and right terminals on the subwoofer that are marked "High Level In." Connect the left and right terminals on the subwoofer that are marked "High Level Out" to the corresponding terminals on the back of your front left and right speakers.

Connect your receiver or amplifier's center, left and right surround-speaker terminals to the corresponding terminals on the back of your center, left and right surround speakers.





## Dolby Pro Logic (Non-Digital) – Line Level

Use this installation method for Dolby Pro Logic applications (not Dolby Digital, DTS or other digital processing), where the receiver/processor is equipped with a subwoofer output, or a volume-controlled preamp (line-) level output:

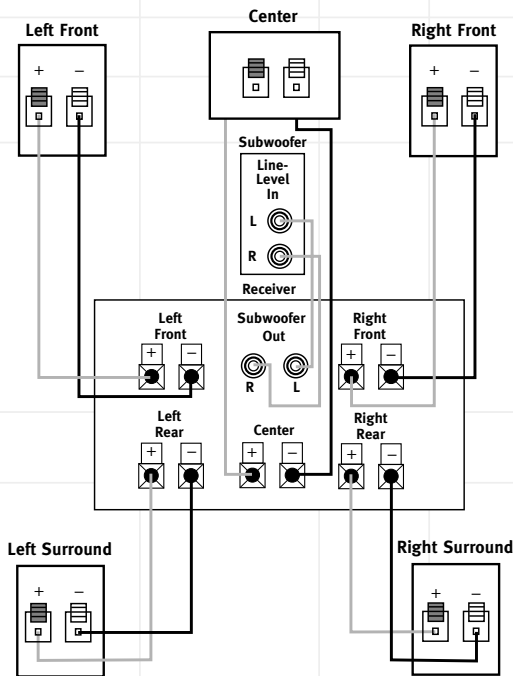
Use RCA-type patch cords to connect the line-level subwoofer outputs on your receiver or amplifier to the line-level inputs on the subwoofer. **IMPORTANT:** Do not use the LFE input on the subwoofer with Dolby

Pro Logic processors. Note: If your receiver or amplifier only has one subwoofer output jack, then you will need to use a Y-connector (not included). Plug the male end of the Y-connector into your receiver or amplifier's subwoofer output jack, and connect each of the two female ends to separate RCA-type patch cords. Finally, plug the RCA-type patch cords into the line-level inputs on the subwoofer.

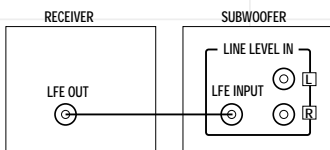
Connect each speaker to the corresponding speaker terminals on your receiver or amplifier.

Make sure your receiver or processor is correctly configured to indicate that the subwoofer is "On."

Note for advanced users: If your receiver/processor has a built-in low-pass crossover filter for the subwoofer output, you may use the LFE input to bypass the subwoofer's internal crossover.



## Dolby Digital or DTS (or Other Digital Surround Mode) Connection



Use this installation method for Dolby Digital, DTS or other digital surround processors:

Use the line-level input jack marked "LFE" for the Low-Frequency Effects channel. Connect this jack to the LFE output or subwoofer output on your receiver or amplifier. Connect each speaker to the corresponding speaker

terminals on your receiver or amplifier.

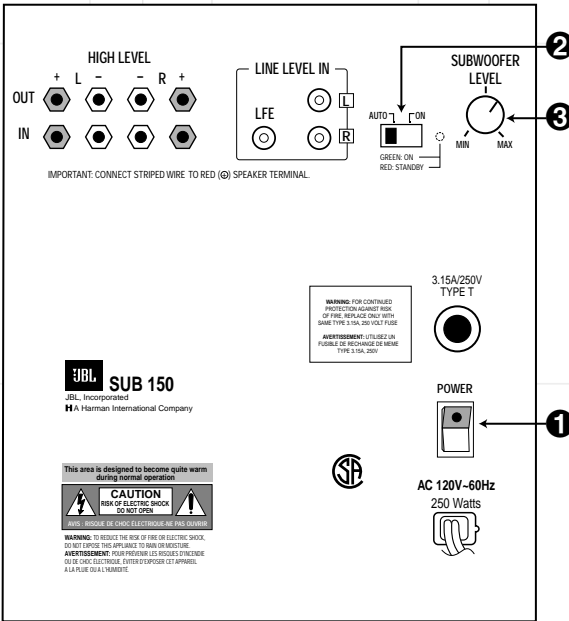
Make sure that you have configured your surround-sound processor for "Subwoofer On." The front left, front right, center and rear speakers should all be set to "Small."

# OPERATION

Move the Master Power switch (marked "Power" ❶) to the "•" (On) position to use the subwoofer. The SCS150 subwoofer will automatically turn itself on or go into standby (sleep) mode when left in the standby mode ("Auto/On" switch ❷ in the "Auto" position). When your receiver or amplifier is off, or

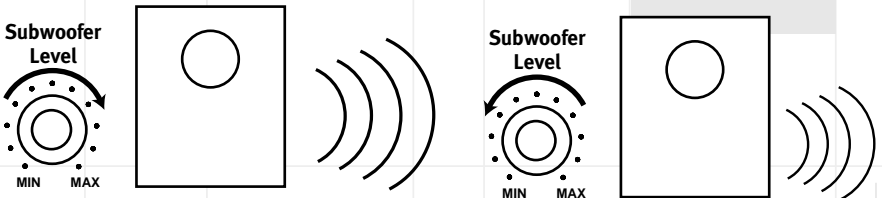
is not sending program material to the subwoofer, the subwoofer will be in standby mode. When the subwoofer senses an audio signal, it will automatically turn itself on. If the subwoofer does not sense a signal after approximately twenty minutes, it will automatically go into standby mode.

When the "Auto/On" switch ❷ is switched to the "On" position, the subwoofer will remain on, whether or not program material is playing. If you will be away from home for an extended period of time, or if the subwoofer will not be used, switch the Master Power switch ❶ to the Off position.



## Volume

Volume can be adjusted using the Subwoofer Level Control ❸ (above), as shown below.



# TROUBLESHOOTING

## **If there is no sound from any of the speakers:**

- Check that receiver/amplifier is on and a source is playing.
- Check that the powered subwoofer is plugged in, and its Power switch **1** is switched on to the “•” position.
- 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.

## **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 all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- In Dolby Digital or DTS modes, 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.

## **If there is no sound from the center speaker:**

- Check all wires and connections between receiver/amplifier and speaker. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- If your receiver/processor is set in Dolby Pro Logic mode, make sure the center speaker

is not in phantom mode.


- If your receiver/processor is set in Dolby Digital or DTS mode, make sure the receiver/processor is configured so that the center speaker is enabled.

## **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 low (or no) bass output:**

- Make sure the connections to the left and right “Speaker Inputs” have the correct polarity (+ and –).
- Make sure the subwoofer is plugged into an active electrical outlet.
- Make sure the powered subwoofer is plugged in, and its Power switch **1** is switched on to the “•” position.



- In Dolby Digital or DTS modes, make sure your receiver/processor is configured so that the sub-woofer and LFE output are enabled.

**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 modes, 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.