

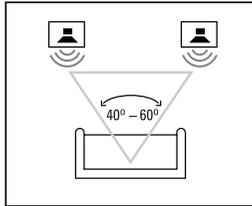
# SPEAKER PLACEMENT

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.

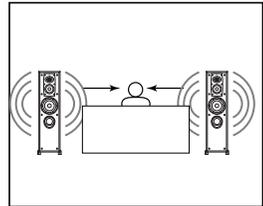
All of the Balboa Series loud-

speakers referred to in this guide are video-shielded

## MODEL: BALBOA 30

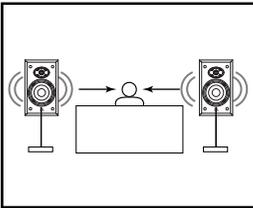


and can safely be placed near a television.

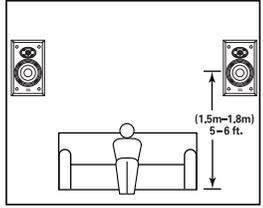
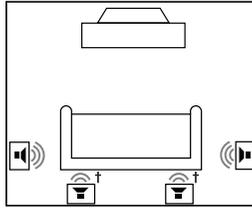


## MODEL: BALBOA 10

As front speakers

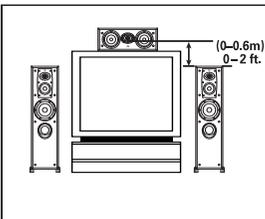


As surround speakers



\*Placement for surround back speakers in 6.1/7.1 systems, or alternate placement for side surround speakers in 5.1 systems.

## MODEL: BALBOA CENTER



The Balboa Center loudspeaker is designed to complement all of the Balboa Series loudspeakers. It is the ideal way to re-create the cinematic experience in your home.



**BALBOA SERIES** <sup>®</sup>

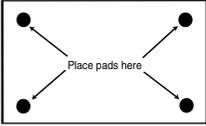
BALBOA 10, BALBOA 30  
AND BALBOA CENTER

# OWNER'S GUIDE

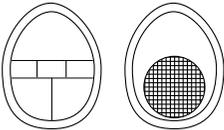
# SPEAKER PLACEMENT (CONTINUED)

## MODELS: BALBOA 10 AND BALBOA CENTER

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



## MODEL: BALBOA 30



Without pad

With pad

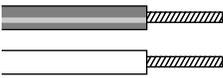
This model is shipped with four self-adhesive nonskid pads that are to be used when the loudspeaker is intended to be placed on a smooth-surfaced floor, such as tile or hardwood. Gently lay the speaker on its side (not its front or back) on a soft, nonabrasive surface. Attach each pad to the bottom of its foot in the widest portion of the recessed area.

DO NOT attach the pads if the speaker will be placed on carpeting.

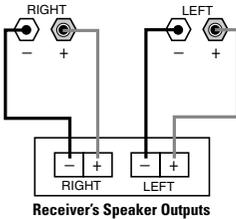
**NEVER** drag the speaker to move it, as this will damage the pads, the feet and/or the wood cabinet itself. Always lift the speaker and carry it to its new location.

**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. The customer is responsible for proper installation and proper selection of hardware.

# SPEAKER CONNECTIONS

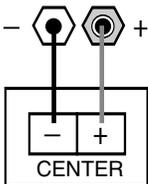


## MODELS: BALBOA 10 AND BALBOA 30



Receiver's Speaker Outputs

## MODEL: BALBOA CENTER



Receiver Speaker Outputs

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 poor imaging. 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 colored collar until the pass-through hole in the center post is visible. 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. To comply with European CE certification, these holes are blocked with plastic inserts at the point of manufacture. Use of banana-type connectors requires the removal of the inserts. Do not remove these inserts if you are using the product in an area covered by the European CE certification.

# 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® 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 has followed the speaker, or has remained in the same channel. If the problem is in the same channel, 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 [www.jbl.com](http://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.
- If your system includes a powered subwoofer, make sure it is connected correctly, plugged into an active AC outlet and turned on. See the owner's guide for your subwoofer for more information.
- If your system does not include a powered subwoofer, consider adding one 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 whether 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.
- If you are using both side surround and back surround speakers, make sure that your receiver/processor is configured for 6.1/7.1 operation.
- 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.

### Declaration of Conformity



We, Harman Consumer Group 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 61000-6-3:2001  
EN 61000-6-1:2001

Gary Mardell  
Harman Consumer Group International  
Chateau-du-Loir, France 1/05

# SPECIFICATIONS

## BALBOA 10

### Description

2-Way 130mm (5") bookshelf

**Maximum Recommended Amplifier Power\*\***  
125W

**Power Handling (Continuous/Peak)**  
60W/240W

**Nominal Impedance**  
8 Ohms

**Sensitivity (2.83V/1m)**  
86dB

**Frequency Response (-3dB)**  
68Hz – 20kHz

**Crossover Frequency**  
3000Hz

**High-Frequency Transducer**  
19mm (3/4") Titanium-laminate dome

**Low-Frequency Transducer**  
130mm (5") Pure-cellulose fiber cone, shielded

**Baffle**  
Low diffraction, IsoPower™

**Port**  
FreeFlow™ flared

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

**Terminal**  
5-Way binding posts

**Dimensions (H x W x D) (With grille)**  
259mm x 165mm x 210mm  
10-13/16" x 6-1/2" x 8-1/4"

**Weight per Speaker**  
3.9kg/8.5 lb

## BALBOA 30

### Description

3-Way 170mm (6") floorstanding

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

**Power Handling (Continuous/Peak)**  
80W/320W

**Nominal Impedance**  
8 Ohms

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

**Frequency Response (-3dB)**  
47Hz – 20kHz

**Crossover Frequencies**  
600Hz, 3500Hz

**High-Frequency Transducer**  
19mm (3/4") Titanium-laminate dome

**Midrange Transducer**  
100mm (4") Pure-cellulose-fiber cone, shielded

**Low-Frequency Transducer**  
170mm (6") Pure-cellulose-fiber cone, shielded

**Baffle**  
Low diffraction, IsoPower™

**Port**  
FreeFlow™ flared

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

**Terminals**  
5-Way binding posts

**Dimensions (H x W x D) (With grille and feet)**  
889mm x 229mm x 321mm  
35" x 9" x 12-5/8"

**Weight per Speaker**  
14.5kg/32 lb

## BALBOA CENTER

### Description

2-Way dual 130mm (5") center

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

**Power Handling (Continuous/Peak)**  
75W/300W

**Nominal Impedance**  
8 Ohms

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

**Frequency Response (-3dB)**  
80Hz – 20kHz

**Crossover Frequency**  
3500Hz

**High-Frequency Transducer**  
19mm (3/4") Titanium-laminate dome, shielded

**Low-Frequency Transducer**  
Dual 130mm (5") pure-cellulose fiber cone, shielded

**Baffle**  
Low diffraction, IsoPower™

**Port**  
FreeFlow™ flared

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

**Terminals**  
5-Way binding posts

**Dimensions (H x W x D) (With grille)**  
170mm x 479mm x 260mm  
6-11/16" x 18-7/8" x 10-1/4"

**Weight per Speaker**  
6.9kg/15.2 lb

 <b>PRO SOUND COMES HOME™</b>
JBL Consumer Products, 250 Crossways Park Drive, Woodbury, NY 11797 8500 Balboa Boulevard, Northridge, CA 91329 2, route de Tours, 72500 Chateau-du-Loir, France 516.255.4JBL (4525) www.jbl.com
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\* Trademarks 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.

All dimensions include grilles and feet, but not spikes.