JBL®

JBL VENUE™

TOUR, MONITOR, ARENA, STAGE, STADIUM, VOICE, BALCONY

OWNER'S GUIDE

JBL VENUE™

For more than 60 years, JBL has been providing audio equipment for concert halls, recording studios and movie theaters around the world and has become the hands-down choice of leading recording artists and sound engineers.

With the JBL Venue Series, innovative technologies such as titanium-laminate-dome tweeters, EOS™ waveguides and PolyPlas™ transducer reinforcement are available to you. Enjoy!

UNPACKING THE SPEAKERS

If you suspect damage from transit, report it immediately to your dealer. Keep the shipping carton and packing materials for future use.

PLACEMENT

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 events such as 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.

STEREO

Before deciding where to place your speakers, survey your room and think about placement, keeping the following points in mind, using Figure 1 as a guide:

- For best results, place the speakers 6'–8' (1.5m–2.5m) apart.
- Position each speaker so that the tweeter is approximately at ear level.
- Generally, bass output will increase as the speaker is moved closer to a wall or corner.
- Refer to "Home Theater" below if you also plan to use the speakers for home theater reproduction.

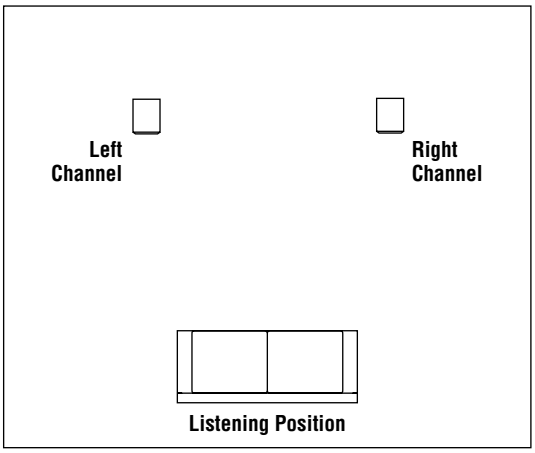


Figure 1. Experiment with speaker placement to obtain the best bass level and stereo imaging in your room.

HOME THEATER

For front-channel use, place one speaker on the left and another on the right, along either side of the television monitor. Since the speakers are magnetically shielded, you can place them near the TV without worrying about the field distorting the TV picture.

For surround-channel use, place speakers on bookshelves or stands alongside the listening position. Tour and Balcony are also wall-mountable. Final placement depends on room acoustics, availability of space and your listening preference (Figures 2 and 3).

In 6- or 7-channel configurations, place the rear channel(s) behind the listening position, as shown in Figures 2 and 3.

NOTE: A JBL powered subwoofer will add impact and realism to both music and film soundtracks. Contact your JBL dealer for recommendations on subwoofer models for your application.

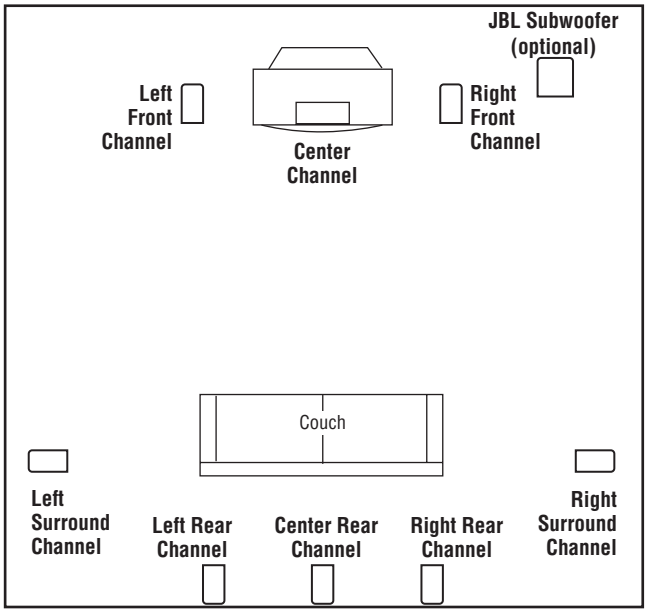


Figure 2. This overhead view shows a typical home theater plan. Left/right rear channels are for a 7-channel system. The center rear channel is for a 6-channel system.

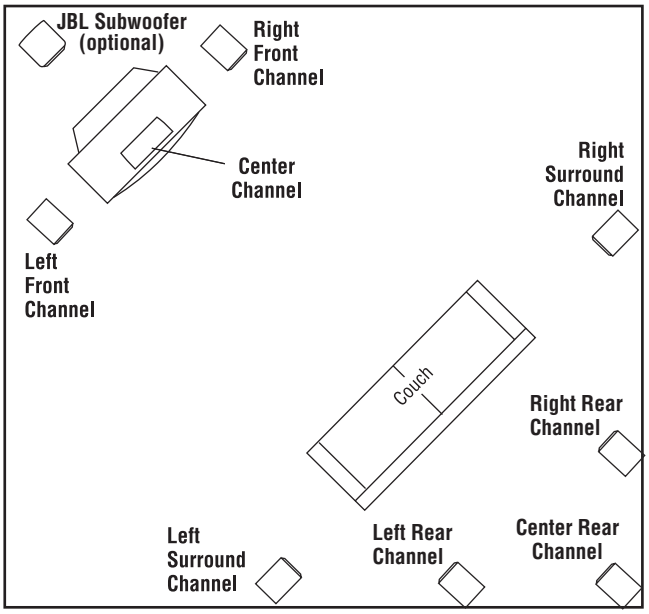
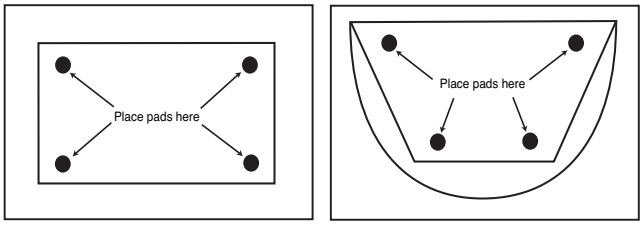


Figure 3. This figure shows an alternate layout, which may be more suitable for some rooms. Left/right rear channels are for a 7-channel system. The center rear channel is for a 6-channel system.

INSTALLING FEET

Balcony, Tour, Monitor, Arena

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



WALL-MOUNTING

Tour

The Venue Series Tour may be wall-mounted. The customer is responsible for proper selection and use of mounting hardware (available through hardware stores), to properly and safely wall-mount the speakers. **These products are not intended for ceiling mounting.** Adjustable wall-mounting brackets are included.

Balcony

Important Safety Notes

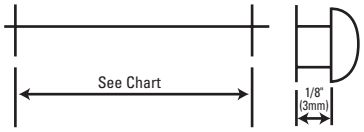
- Proper selection of mounting hardware and installation of the wall brackets are the responsibility of the customer.
- This product is not intended for ceiling mounting.

Two No. 8 round-head or pan-head screws should be used per loudspeaker. The screw head should be between 5/16 inch (8mm) and 1/4 inch (6.3mm) in diameter, and the screw should be at least 2 inches (50mm) in length.

When installing screws in any wall, always use properly selected wall anchors. Attach two of the four self-adhesive rubber pads that came with the Balcony loudspeaker to the back of the enclosure in the two bottom corners so that the cabinet is spaced evenly from the wall. Select a suitable mounting location on a wall. (The ceiling is not a suitable mounting location.)

Drill two pilot holes, appropriately sized for the specific self-tapping screw or wall anchor that you will be using. The holes should be 8 inches (203mm) apart. See Figure 1. The holes should be 3/4" (19mm) below where you want the top of the enclosure to be positioned. Use a carpenter's level to ensure that the holes are even and that the speaker will mount on the level.

Install the two screws into either a wooden wall stud or anchor, and tighten them until the back of each screw head is about 1/8 inch (3mm) from the wall. See Figure 2. Install the loudspeaker by slowly moving the cabinet toward the screws so that the screw heads clear the larger circular portion of the two keyholes. Once both screw heads have entered the keyholes, the loudspeaker should gently be lowered onto the screw shafts. Check that the loudspeaker is firmly locked onto the screws by gently pulling the speaker down and forward.



WIRING THE SYSTEM

IMPORTANT: Make sure all equipment is turned off before making any connections.

For speaker connections, use a high-quality speaker wire with polarity coding. The side of the wire with a ridge or other coding is usually considered positive polarity (i.e., **+**).

NOTE: If desired, consult your local JBL dealer about speaker wire and connection options.

The speakers have coded terminals that accept a variety of wire connectors. The most common connection is shown in Figure 4.

To ensure proper polarity, connect each **+** terminal on the back of the amplifier or receiver to the respective **+** (red) terminal on each speaker, as shown in Figure 5. Connect the **–** (black) terminals in a similar way. See the owner's guides that were included with your amplifier, receiver and television to confirm connection procedures.

IMPORTANT: Do not reverse polarities (i.e., + to – or – to +) when making connections. Doing so will cause poor imaging and diminished bass response.

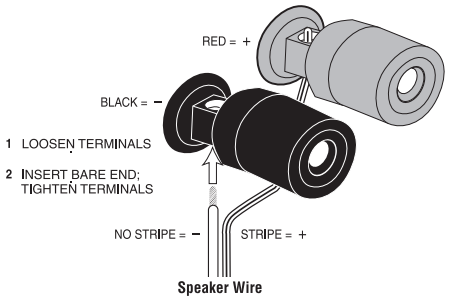


Figure 4. This figure shows how to connect bare wires to the terminals.

STANDARD CONNECTION

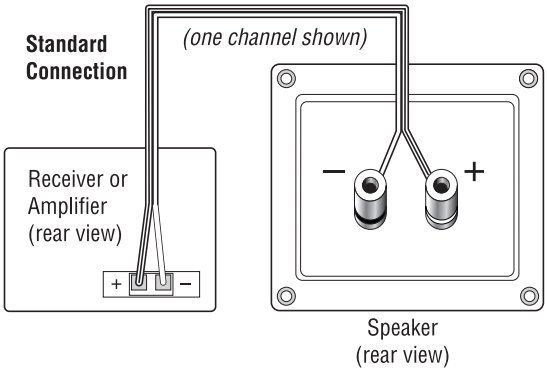


Figure 5. Wiring diagram shows polarity connections for one channel of a stereo or home theater system.

FINAL ADJUSTMENTS

Check the speakers for playback, first by setting the system volume control to a minimum level, and then by applying power to your audio system. Play a favorite music or video segment and increase the system volume control to a comfortable level.

NOTE: You should hear balanced audio reproduction across the entire frequency spectrum. If not, check all wiring connections or consult the authorized JBL dealer from whom you purchased the system for more help.

The amount of bass you hear and the stereo-image quality will be affected by a number of different factors, including the room's size and shape, the construction materials used to build the room, the listener's position relative to the speakers, and the position of the speakers in the room.

Listen to a variety of music selections and note the bass level. If there is too much bass, move the speakers away from nearby walls. Conversely, if you place the speakers closer to the walls, there will be more bass output.

CARE OF YOUR SPEAKER SYSTEM

Each JBL Venue Series enclosure has a wood-grain-vinyl finish that does not require any routine maintenance. When needed, use a soft cloth to remove any fingerprints or dust from the enclosure or grille.

NOTE: Do not use any cleaning products or polishes on the cabinet or grille.

SPECIFICATIONS

	TOUR	MONITOR	ARENA	STAGE
Frequency Response (–3dB)	70Hz – 20kHz	68Hz – 20kHz	50Hz – 20kHz	47Hz – 20kHz
Max. Recommended Amplifier Power*	100W	125W	125W	150W
Power Handling (Continuous/Peak)	50W/100W	60W/240W	70W/280W	80W/320W
Sensitivity (2.83V/1m)	86dB	86dB	88dB	90dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Crossover Frequency	3000Hz	3000Hz	4000Hz	600Hz, 3500Hz
Low-Frequency Transducer	4" (102mm) PolyPlas,™ shielded	5" (130mm) PolyPlas,™ shielded	6" (170mm) PolyPlas,™ shielded	6" (170mm) PolyPlas,™ shielded
Midrange Transducer	NA	NA	NA	4" (100mm) PolyPlas,™ shielded
High-Frequency Transducer	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide
Dimensions With Grille (H x W x D)	9-1/2" x 6-3/4" x 5-5/8" 241mm x 171mm x 143mm	10-7/8" x 6" x 8-5/8" 275mm x 153mm x 219mm	15" x 9" x 11-1/4" 381mm x 229mm x 286mm	34-3/4" x 9" x 13-1/8" 883mm x 229mm x 333mm
Weight per Speaker	4.6 lb/2.1kg	7 lb/3.2kg	15 lb/6.8kg	31.2 lb/14.5kg

	STADIUM	VOICE	BALCONY
Frequency Response (–3dB)	36Hz – 20kHz	70Hz – 20kHz	65Hz – 20kHz
Max. Recommended Amplifier Power*	225W	150W	100W
Power Handling (Continuous/Peak)	110W/440W	75W/300W	50W/200W
Sensitivity (2.83V/1m)	91dB	90dB	86dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Crossover Frequencies	300Hz, 4000Hz	3500Hz	2000Hz
Low-Frequency Transducers	Dual 8" (200mm) PolyPlas,™ shielded	Dual 5" (130mm) PolyPlas,™ shielded	4" (100mm) PolyPlas,™ shielded
Midrange Transducer	4" (100mm) PolyPlas,™ shielded	NA	NA
High-Frequency Transducer	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide	3/4" (19mm) Titanium-laminate dome, shielded, EOS™ waveguide
Dimensions With Grille (H x W x D)	40-1/4" x 9-7/8" x 15-3/4" 1022mm x 251mm x 400mm	6-1/2" x 20-1/4" x 9-5/8" 165mm x 514mm x 244mm	10" x 10-1/8" x 6" 254mm x 257mm x 152mm
Weight per Speaker	43.5 lb/19.8kg	9.6 lb/4.4kg	8 lb/3.6kg

All features and specifications are subject to change without notice.

* 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.

JBL PRO SOUND COMES HOME™

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Declaration of Conformity

CE

We, Harman Consumer Group International
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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

Laurent Rault
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Château du Loir, France 11/05