

**JBL® CONTROL®
SERIES**

CONTROL® MONITOR
LOUDSPEAKERS

OWNER'S GUIDE



JBL® CONTROL® SERIES

For more than 60 years, JBL® audio equipment has been chosen for top concert halls, recording studios and movie theaters around the world, becoming the hands-down choice of leading recording artists and sound engineers. With JBL Control® Monitor loudspeakers, innovative technologies such as an all-new, extended-response soft-dome tweeter, a second-generation Elliptical Oblate Spheroidal™ (EOS) waveguide 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.

Included:

- 2x Control Monitor loudspeakers
- 1x Owner's manual
- 1x USA warranty sheet
- 2x Wall brackets
- 2x Sets of four rubber feet
- 1x 4mm Allen wrench for wall-bracket installation

PLACEMENT

STEREO

Before deciding where to place your speakers, survey your room and think about placement, keeping the following points in mind and 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.

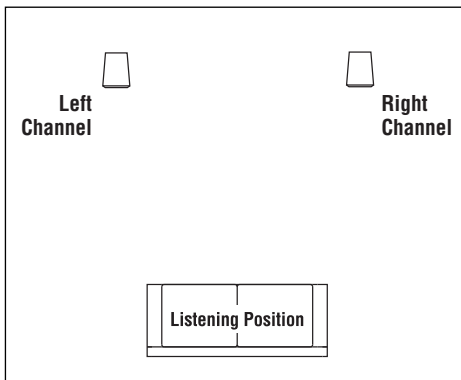


Figure 1. Experiment with speaker placement to obtain the best bass level and stereo imaging in your room.

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 a CRT TV without worrying about the magnetic field distorting the TV picture.

For surround-channel use, place speakers on bookshelves or stands alongside the listening position. Control Monitor loudspeakers 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 particular application.

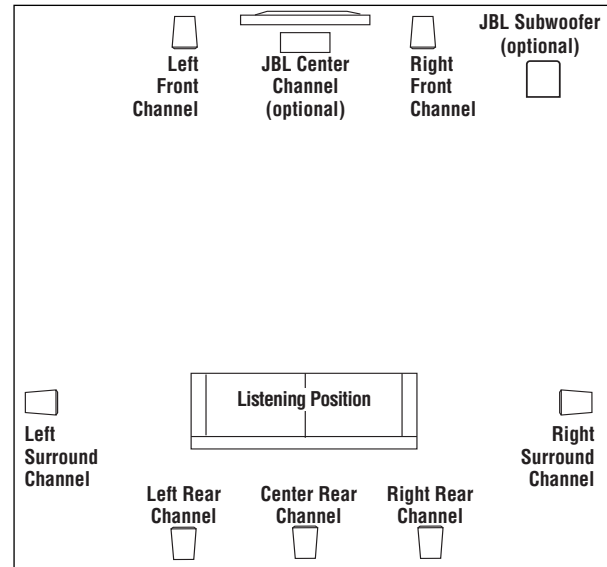


Figure 2. This overhead view shows a typical home theater plan. Left/right rear channels are for a 7-channel system. The center rear channel is for a 6-channel system.

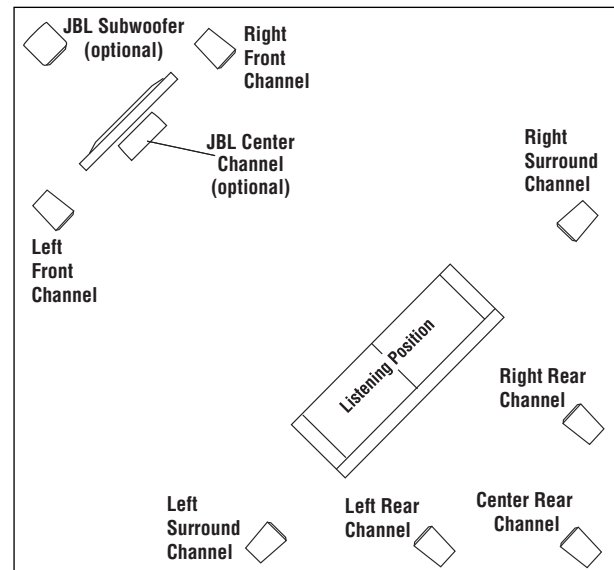
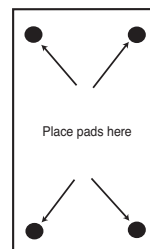


Figure 3. This figure shows an alternate layout, which may be more suitable for some rooms. Left/right rear channels are for a 7-channel system. The center rear channel is for a 6-channel system.

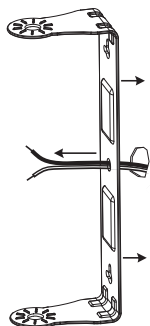
INSTALLING FEET

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



WALL-MOUNTING

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



Step 1.
Run the speaker wire through the hole in the center of the bracket, as shown in Figure 4.

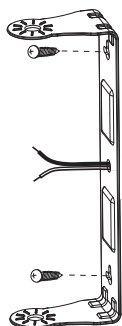


Figure 4.

Step 2.
Attach the bracket to the wall in the desired location, using the appropriate screws and anchors, as shown in Figure 5.

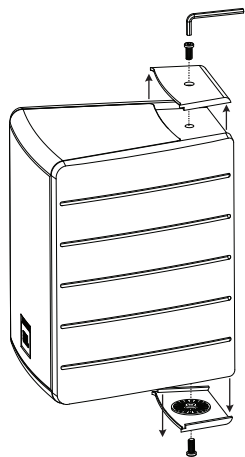


Figure 5.

Step 3.
Using the supplied Allen wrench, remove the screws and end caps from the top and bottom of the speaker, as shown in Figure 6.

Step 4.
Connect the speaker wire to the speaker, as described in "Wiring the System."

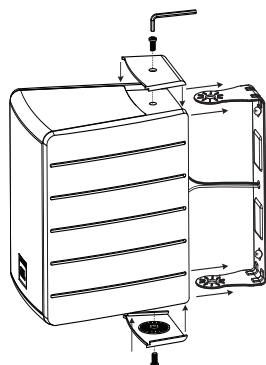


Figure 6.

Step 5.
Slide the speaker into the bracket, aligning the holes in the bracket with the threaded inserts in the top and bottom of the speaker, and reattach the screws and end caps removed in Step 3, as shown in Figure 7.

Step 6.
Hand-tighten securely. You may angle the speaker up to 15 degrees to the right or the left before final tightening.

Figure 7.

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.

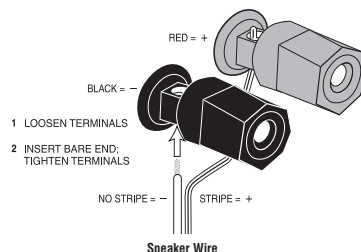


Figure 8. This figure shows how to connect bare wires to the terminals.

The speakers have coded terminals that accept a variety of wire connectors. The most common connection is shown in Figure 8.

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 9. 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.

STANDARD CONNECTION

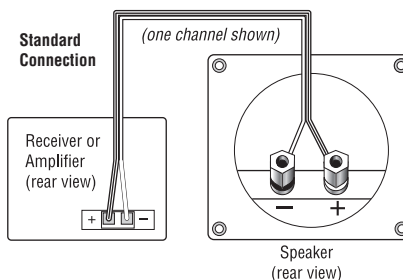


Figure 9. Wiring diagram shows polarity connections for one channel of a stereo or home theater system.

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 enclosure has a 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

CONTROL® MONITOR LOUDSPEAKERS

Frequency Response (-3dB)	50Hz – 40kHz
Recommended Amplifier Power Range*	10W – 125W
Power Handling (Peak)	240W
Sensitivity (2.83V/1m)	87dB
Nominal Impedance	8 Ohms
Crossover Frequency	2400Hz – 18dB/octave, low-pass; 2400Hz – 24dB/octave, high-pass
Low-Frequency Transducer	5" (130mm) PolyPlas,™ shielded
High-Frequency Transducer	1" (25mm) Soft-dome, shielded; EOS waveguide
Dimensions With Grille (H x W x D)	10" x 6-5/8" x 8" (259mm x 164mm x 202mm)
Weight per Speaker	6.6 lb (3kg)

* The recommended amplifier power range 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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declare in own responsibility that the product described in this owner's manual is in compliance with technical standards:

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Laurent Rault
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