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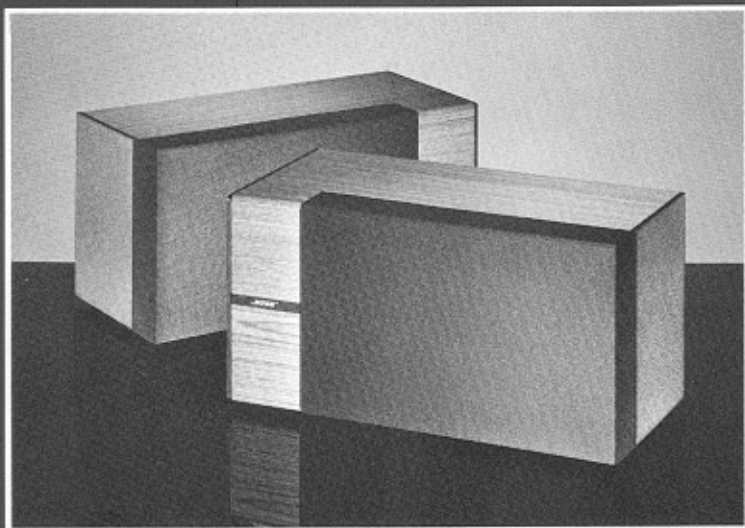
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6.2
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DIRECT/REFLECTING
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SPEAKER
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SYSTEM
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OWNER'S GUIDE
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Your new 6.2[®] Direct/Reflecting[®] speaker system

Thank you for purchasing this advanced speaker system from Bose[®]. A number of advanced technologies, developed through years of ongoing research at Bose, and quality construction ensure you years of listening pleasure.

The installation and operating principles of the Bose 6.2 speaker system are different from those of conventional speakers (see Figure 1).

This guide contains useful information that will help you obtain the fullest understanding and enjoyment of your new speakers.

The shipping carton contains two speakers labeled Part 1, for the left speaker, and Part 2, for the right speaker. Unpack each speaker carefully, saving the carton and packing materials for possible later use. If either speaker appears to be damaged, do not attempt to use it. Instead, repack the speakers in the original carton, and notify your authorized Bose dealer immediately.

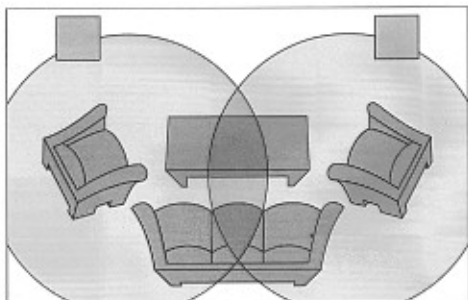


Figure 1A

Conventional speakers provide balanced stereo only in a limited area.

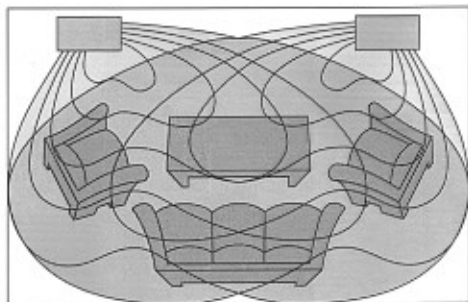


Figure 1B

Bose 6.2[®] Direct/Reflecting[®] speakers can provide full stereo throughout the listening room.

Guidelines for speaker placement

Unlike conventional speakers, the Bose® 6.2® Direct/Reflecting® speaker system uses unique technology to re-create an exceptionally realistic stereo image (see Figure 1). Please note that there is a distinct left and right 6.2 speaker. To obtain maximum performance, please use the following guidelines.

For ideal stereo performance

The 6.2 Direct/Reflecting® speaker system is designed to deliver excellent performance when located on either the long or short walls of your room.

Select the wall where you intend to place your speakers. Divide the length of the wall by four, and place the speakers at the 1/4 and 3/4 divisions of the wall. In most rooms, separations as great as 12 feet (4 m) or as small as 3 feet (1 m) still provide excellent results. Refer to the section on room acoustics, on the next page, for more information.

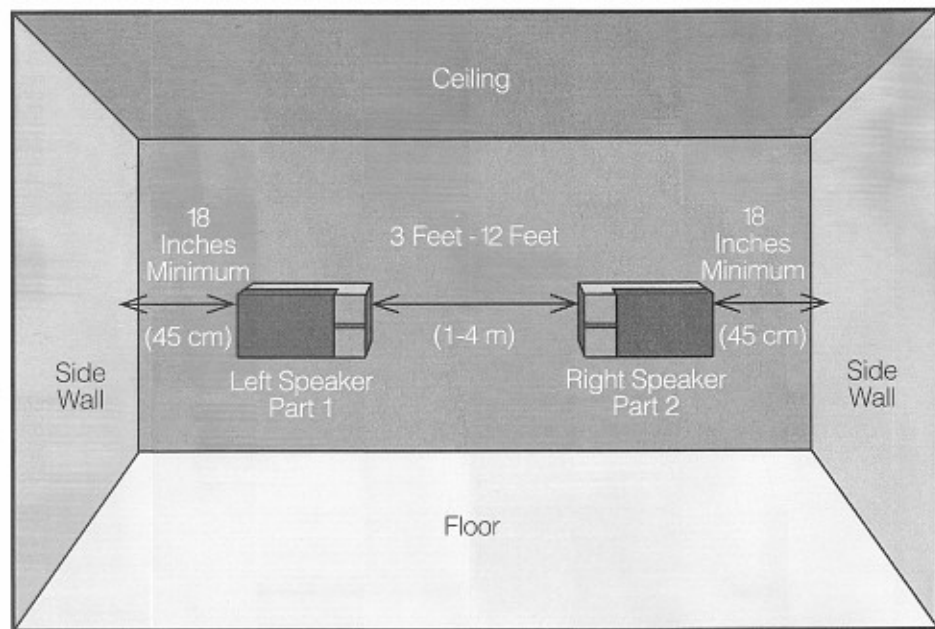


Figure 2

Proper horizontal positioning of 6.2 speakers.

Once you have selected your speaker locations, place the left speaker (Part 1) on the left side of the wall and the right speaker (Part 2) on the right side. Be sure to position them horizontally, to establish the proper Direct/Reflecting* system spatial balance (see Figure 2).

For lifelike realism

The Bose® 6.2" speakers should be placed within four inches (10 cm) of the rear wall, and can be placed directly against a wall or bookcase. A typical location would be two inches (5 cm) from the rear wall. In general, the closer the speaker is to the wall, the stronger the bass. You can experiment with various locations before determining final placement.

Placing your speakers at least 18 inches (45 cm) away from the room's side walls will ensure an accurate stereo image.

To compensate for room acoustics

The acoustics of your room can affect the overall sound quality of your speakers. For instance, rooms full of sound absorbing furnishings (upholstered furniture, wall-to-wall carpets, heavy drapes, etc.) may reduce the treble sound of your system. In contrast, rooms without sound absorbing furnishings or with bare floors and walls may increase treble sound. Turning the treble control up or down may reduce these effects.

In general, the closer the speakers are to the corners, the more bass they will produce. By keeping this rule in mind, you can tune your system to your room.

Connecting your new speakers

Use of the proper gauge (thickness) of speaker wire is important. Standard zip cord (2-conductor, 18-gauge wire found at electrical and hardware stores) can be used in most applications. If your speakers will be positioned more than 30 feet (9 m) from the receiver or amplifier, check with your Bose dealer or refer to the wire recommendations in the "Technical information" section.

Measure and cut the amount of wire required to connect each speaker to your receiver or amplifier. If possible, use approximately the same length of wire for each.

To make the proper connections

Refer to Figure 3.

Turn off your amplifier or receiver and unplug it from the AC (mains) power outlet before connecting any wires.

Caution: If the amplifier or receiver is not turned off, damage to your system may occur.

Preparation

At the ends of each cord, strip approximately 1/2 inch (12 mm) of insulation from each wire. Twist the stripped wire ends and note that one wire is plain and the other is marked (striped, ribbed, or collared).

Connection #1

Select one cord and connect it to the *left* channel of your amplifier.

1a Attach one stripped end of the marked wire to the red (+) terminal.

1b Attach the stripped end of the plain wire to the black (-) terminal.

Connection #2

Connect the free ends of that same cord to the *left* speaker.

2a Attach the stripped end of the marked wire to the red (+) push-type terminal.

2b Attach the stripped end of the plain wire to the black (-) push-type terminal.

Connection #3

Select the second cord and connect it to the *right* channel of your amplifier.

3a Attach one stripped end of the marked wire to the red (+) terminal.

3b Attach the stripped end of the plain wire to the black (-) terminal.

Connection #4

Connect the free ends of that same cord to the *right* speaker.

4a Attach the stripped end of the marked wire to the red (+) push-type terminal.

4b Attach the stripped end of the plain wire to the black (-) push-type terminal.

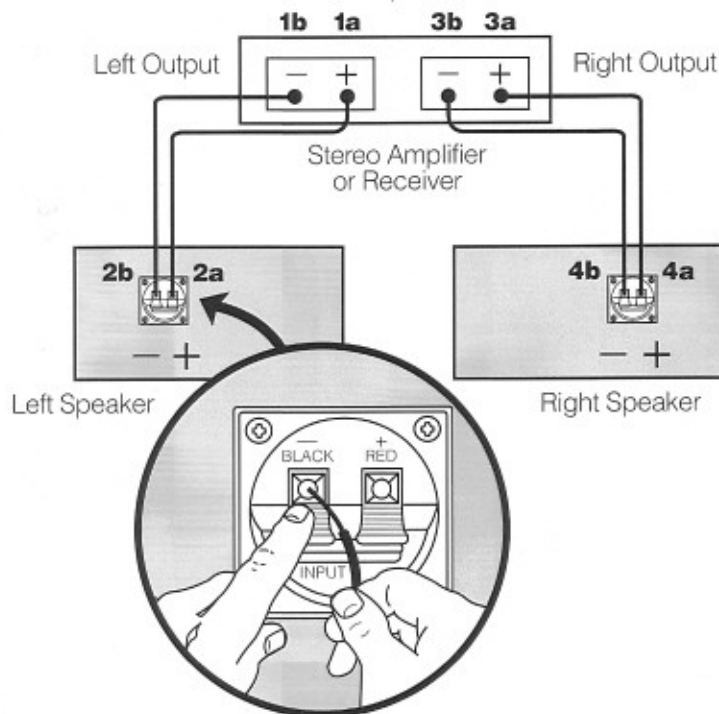


Figure 3
Speaker connections.

Check very carefully to be certain that no loose strands of wire are accidentally touching across terminals on the speakers or the amplifier. *This could create short circuits which can damage your amplifier.* Repair any loose wire strands *before* operating your amplifier or receiver. Plug your amplifier or receiver into the AC power supply before testing your connections.

Testing the connections

To make sure that the speakers are connected to your amplifier "in phase" – positive to positive, negative to negative – perform this simple test.

1. Set your sound system for MONO (monophonic) reproduction. Be sure the balance control is centered or set to normal.
2. Temporarily place the speakers close together, facing each other.
3. Now, play some deep bass music over the system. If your speakers are correctly phased, the sound will appear to come from between the speakers, providing full, natural bass response.
4. If the music seems to be lacking in deep bass, reverse the + and – wire connections on *one* speaker and repeat the test. *Use the connection that produces the most powerful bass.*

Amplifier/receiver considerations

Your 6.2" speakers incorporate heavy-duty driver elements designed to resist many types of electrical stress. However, any speaker can be damaged if the amplifier driving it should fail. Speaker damage may also occur by playing the music so loudly that it sounds distorted. *This can happen even with a low-powered amplifier or receiver.*

Your 6.2 speaker system is designed for use with amplifiers or receivers rated from 10 to 120 watts per channel. For further information, refer to your amplifier or receiver owner's guide.

Cleaning your speakers

If the finish on your 6.2^s system is genuine hardwood veneer, only a high-quality furniture polish should be used. If the cabinet finish is vinyl, it can be easily cleaned with a damp cloth, and, if necessary, a mild detergent such as dishwashing liquid.

The grilles may be carefully vacuumed, but note that the tweeters are located directly behind the grille cloth and are easily damaged. Avoid applying any pressure with the vacuum nozzle. Do not clean the grilles with any solvents or chemicals.

Do not attempt to remove the 6.2 speaker grille. The grille is not designed to be removed by the owner and should be removed only by qualified service personnel.

In case of difficulty

If you experience a problem with your 6.2 speakers, try the solutions suggested below. Typically, most problems originate with other components, not your speakers.

Bass is not strong enough

Make sure the speaker connections are in phase by following the procedure described in the "Testing the connections" section of this guide.

One speaker sounds defective

Do not switch the speaker cables, as this could damage your speaker. Disconnect the wire of the speaker in question from the amplifier output terminals and reconnect it to the amplifier channel that is operating correctly. If the speaker that sounded defective now plays properly, the problem is not in the speaker or wiring.

Both speakers sound defective

Use the same wiring to connect your speakers to another amplifier or receiver that is working properly. If the speakers now operate correctly, the problem is not in the speakers or wiring.

Check all accessible fuses. Replace any fuses that appear to be blown. If the fuses blow again, have the amplifier/receiver checked by qualified personnel.

If trouble persists after trying the above solutions, contact your authorized Bose® dealer to verify any defects and arrange for service from an authorized service agency. Bose Corporation will make every effort to remedy any problem within the terms of the limited warranty.

For service

To obtain information or service directly from Bose®:

USA

1-800-444-BOSE (2673)
8:30 a.m. to 9 p.m. ET

Canada

1-800-465-BOSE (2673)
9 a.m. to 5 p.m. ET

European Headquarters

Bose DISTCO B.V., Nijverheidstraat 8,
1135 GE Edam, Holland
TEL (31) 2993-71055
FAX (31) 2993-68163

Australia

Bose Australia, Inc., 11 Murial Avenue,
Rydalmere, N.S.W. 2116
TEL (02) 684-1022
FAX (02) 684-1665

Belgium

Bose N.V., Essenestraat 15,
1740 Ternat, Belgium
TEL 02-5826200 FAX 02-5823717

Denmark

Bose A/S Industrivej 7,
2605 Brøndby, Denmark
TEL 4343-7777 FAX 4343-7818

France

Bose SARL, 6, Rue Saint Vincent,
78100 St. Germain en Laye, France
TEL 01-30610461 FAX 01-30614105

Germany

Bose GMBH, Max Planckstrasse 36,
6382 Friedrichsdorf,
Postfach 1125, Germany
TEL 06172-71040 FAX 06172-710419

Holland

Bose B.V., Nijverheidstraat 8,
1135 GE Edam, Holland
TEL 02993-69191 FAX 02993-68166

Ireland

Bose Ireland, Castleblayney Road,
Carrickmacross, Co Monaghan, Ireland
TEL 042-61988 FAX 042-61998

Italy

Bose SPA, Via Luigi Capucci 12,
00147 Rome, Italy
TEL 06-5127641/2 FAX 06-5115438

Spain

Bose Products B.V. Sucursal en España,
Avda de Aragón 334, Polígono Las
Mercedes, 28022 Madrid, Spain
TEL 01-3290210 FAX 01-7472080

Switzerland

Bose A.G., Rünenbergerstrasse 13A,
CH-4460 Gelterkinden, Switzerland
TEL 061-995544 FAX 061-995502

United Kingdom

Bose U.K. Ltd., Trinity Trading Estate,
Sittingbourne, Kent ME10 2PD,
United Kingdom
TEL 0795-475341/5 FAX 0795-427227

Other locations

Bose Corporation, Service Department,
Otis Street Park, Building 3, P.O. Box 5045
Westborough, MA 01581-5045 USA
TEL (508) 366-9896 FAX (508) 872-6541

Warranty period

The Bose® 6.2® Direct/Reflecting® speaker system is covered by a five-year limited warranty.

Technical information

Features

- Direct/Reflecting® speaker design
- Stereo Targeting® system
- Two (2) Automatic System Protection Circuits
- Syncom®-II Computer Quality Assurance Program

Driver complement

- One (1) 8" Woofer
- Two (2) 3" High-Sensitivity Tweeters

Nominal impedance

- 4 ohms

Compatibility

- Compatible with amplifiers/receivers rated from 10 to 100 watts per channel

Cabinet

- Dual-chamber design, internally supported

Finish

- Genuine hardwood veneer or vinyl laminate over particle board

Dimensions

- 10"H x 20"W x 9 5/8"D
(25.4 x 50.8 x 24.4 cm)

Weight

- 19.5 lb (8.8 kg)

Wire recommendations

Based on a maximum frequency response deviation of ± 0.5 dB.

Gauge	Length
18 (0.75 mm ²)	30 ft (9 m) maximum
16 (1.5 mm ²)	45 ft (14 m) maximum
14 (2.0 mm ²)	70 ft (21 m) maximum

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