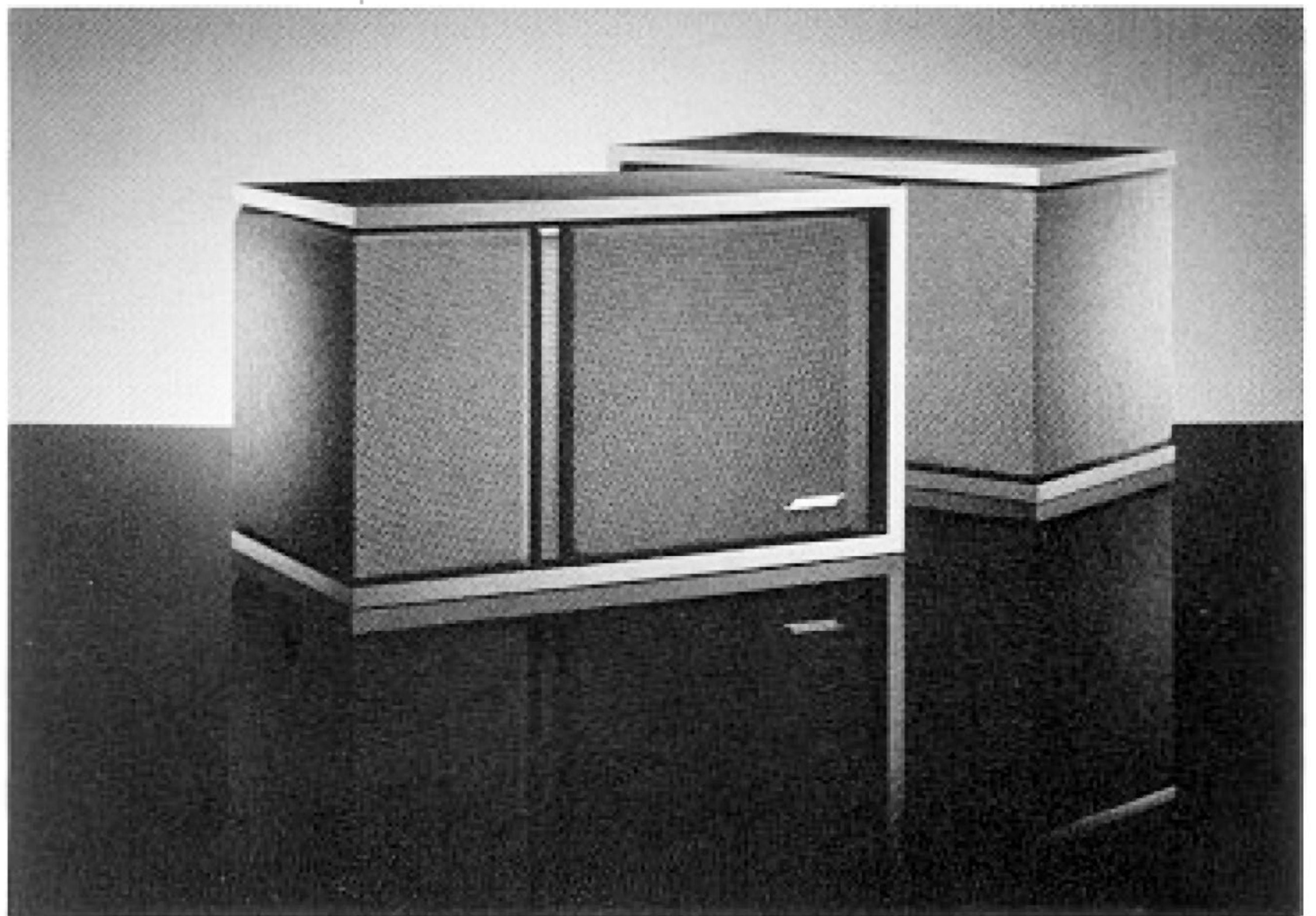

BOSE®

301® SERIES III

DIRECT/REFLECTING®

SPEAKERS



OWNER'S GUIDE

BOSE®

Your new 301® Series III Direct/Reflecting® speaker system

Thank you for purchasing this advanced new 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 your 301 Series III system are significantly different from those of conventional speaker systems. This guide contains useful information that will help you obtain the fullest understanding and enjoyment of your new speakers.

The shipping carton contains two 301 speakers labeled *Part 1*, for the left speaker, and *Part 2*, for the right speaker. Unpack each speaker carefully, saving the carton and all packaging materials for possible later use.

If either speaker appears to be damaged when unpacking, *do not operate the damaged unit*. Repack both speakers in their original carton and notify your authorized Bose dealer immediately.

Choices for speaker placement

Your 301 system is designed for use in a wide variety of sound environments and placement positions. The basic guidelines below are intended to simplify your choices.

For lifelike sound

301 speakers provide the best performance when space around the cabinets allows the music to flow freely, reflecting off nearby walls to create a wide, transparent stereo image. See Figure 1 on page 3.

Hard materials – wood, brick, glass, sheet rock, or paneling – generally provide the most effective sound-reflection. Upholstered furnishings and heavy drapes are more sound absorbent.

Place the left and right speakers on the left and right sides of the room, respectively, spacing them 4 to 12 feet (1.2 to 3.6 m) apart. *Vertical placement, so the tweeters face directly up or down, is not recommended.*

Position the speakers *at least 12 inches* (30 cm) away from side walls.

For bass response

The most accurate bass response results when the speakers are set *less than 18 inches* (45 cm) away from the wall behind them, and *more than 18 inches* from the floor or ceiling. Avoid placing the speakers exactly halfway between the floor and ceiling.

If your music system seems to be lacking in deep bass, try moving the speakers closer to the wall behind them and/or nearer to the corners of the listening room. Heavy, “booming” bass can be tamed by moving the speakers away from corners and walls.

You can also experiment with the tone controls on your amplifier or receiver to achieve a tonal balance that suits your listening environment and personal tastes.

For use with video

The 301[®] speakers are suitable for video sound applications. Place one speaker on either side of your TV screen, making sure that each speaker is at least 24 inches from the screen to avoid picture interference.

For secure placement

With the wide variety of surfaces you may choose from for placing your speakers, it is important to ensure that the surface is both stable and level. For some surfaces, you may want to use rubber feet for additional stability.

You may obtain rubber feet, free of cost, from Bose[®]. Contact the Bose Service Department or your local Bose Service Agency and ask for Part Number 103593.

Connecting your speaker wires

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 from the receiver or amplifier, check with your Bose[®] dealer or refer to the Wire recommendations under "Technical information."

To make the proper connections

Refer to figure 2.

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 end 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 end 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.

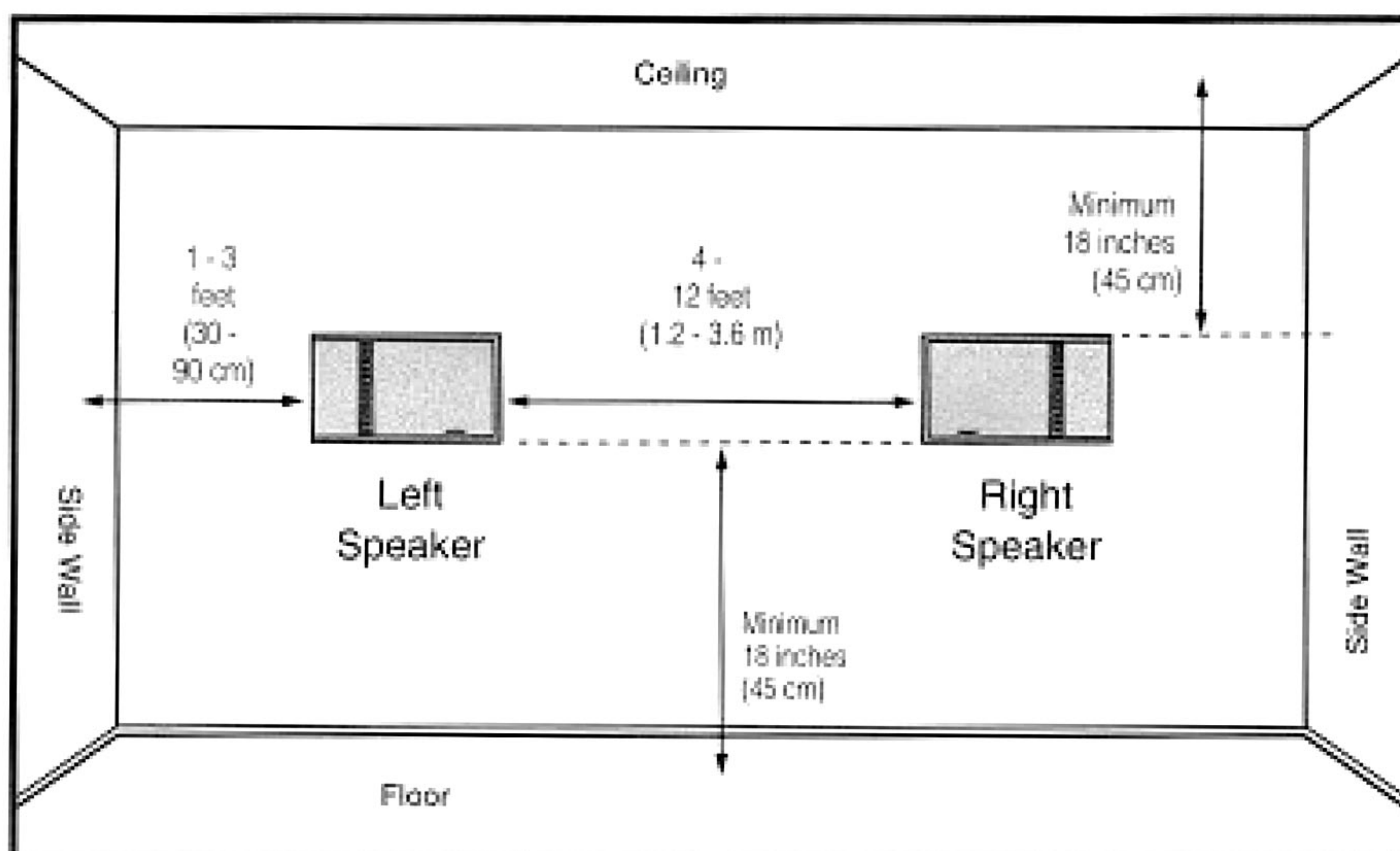


Figure 1

Ideal placement in an average-sized room.

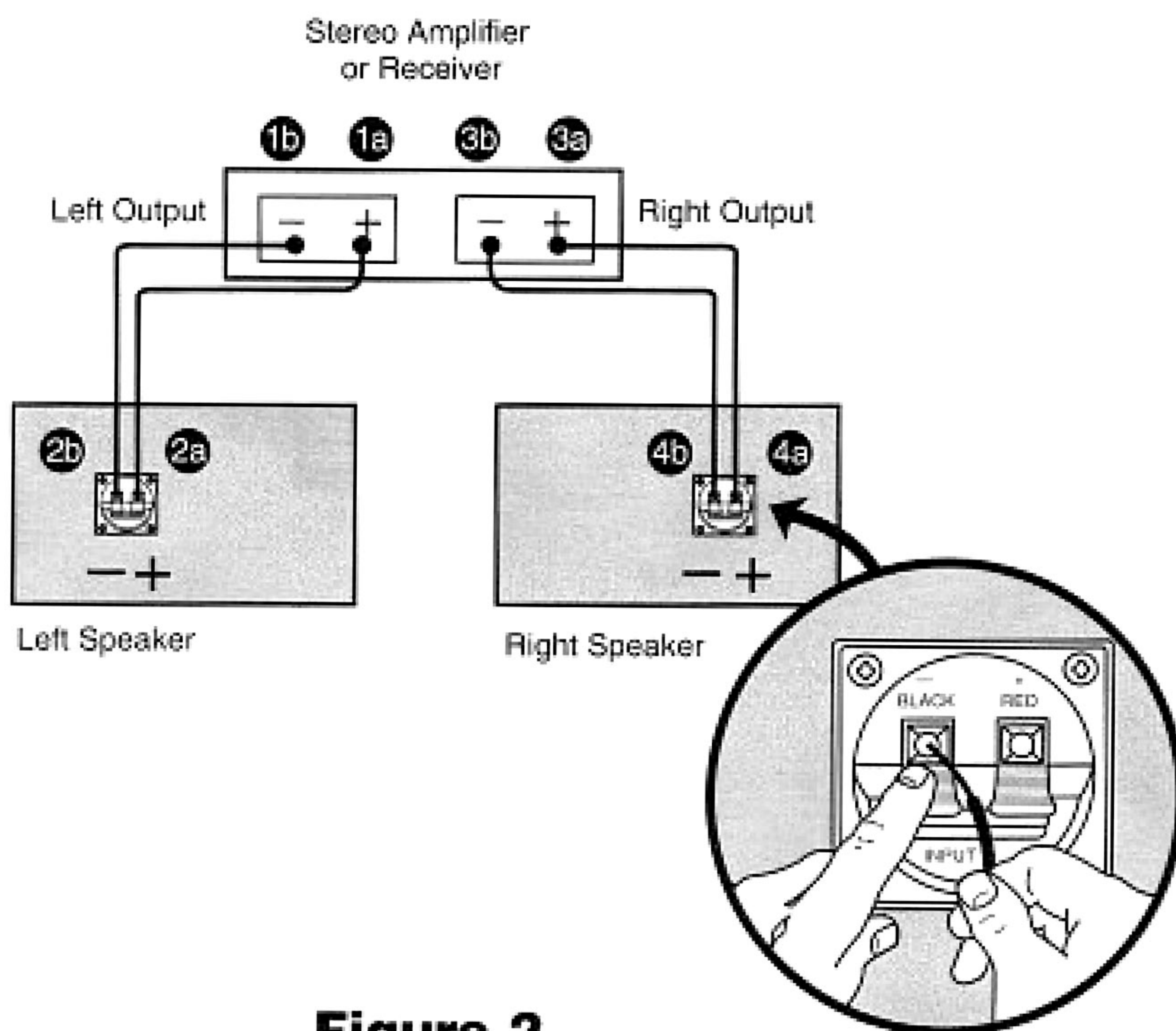


Figure 2

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.

Testing the connections

Before testing the connections, plug your amplifier or receiver into the AC (mains) power outlet.

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 301* 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 301 speaker system is designed for use with amplifiers or receivers rated from 10 to 150 watts per channel. For further information, refer to your amplifier or receiver owner's guide.

Cleaning your speakers

The 301[®] speaker enclosures can be wiped clean using a soft cloth dampened with a mild detergent. The grille panels require no special care, although they may be vacuumed, carefully, if necessary.

All other maintenance should be referred to qualified service personnel.

In case of difficulty

If you experience a problem with your 301 speakers, try the solutions suggested below. Most problems typically originate with other components, not your speakers.

Problem

Treble or bass is not strong enough.

Solution

Adjust the treble and bass volume controls on your amplifier or receiver.

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

Problem

One speaker sounds defective.

Solution

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.

Problem

Both speakers sound defective.

Solution

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.

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, at minimum inconvenience to you.

For service

To obtain information or service directly from Bose®:

USA

Bose Corporation, The Mountain
Framingham, MA 01701-9168
1-800-444-BOSE (1-800-444-2673)
Weekdays: 9 a.m. to 9 p.m.;
Saturdays: 9 a.m. to 5 p.m. ET (eastern time)

Canada

Bose Ltd., 8-35 East Beaver Creek Road
Richmond Hill, Ontario L4B 1B3
1-800-444-BOSE (1-800-444-2673)
Weekdays: 9 a.m. to 5 p.m. ET (eastern time)

European Headquarters

Bose Products B.V., Nijverheidstraat 8
1135 GE Edam, The Netherlands
TEL 02993-71055 FAX 02993-68163

Australia

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

Belgium

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

Denmark

Bose A/S, Industrivej 7, 2605 Brøndby
TEL 43437777 FAX 43437818

France

Bose, 6, rue Saint Vincent
78100 Saint Germain en Laye
TEL 01-30610461 FAX 01-30614105

Germany

Bose GmbH, Max-Planck-Straße 36
Postfach 1125, 61381 Friedrichsdorf
TEL 06172-71040 FAX 06172-71041

Holland

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

Ireland

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

Italy

Bose S.p.A., Via Luigi Capucci 12
00147 Rome
TEL 06-5127641/2 FAX 06-5115438

Japan

Bose K.K., Harajyyuku-R, Building 2F
6-17-10 Jingumae Shibuya, Tokyo 150
TEL 03-5485-2451 FAX 03-3486-0928

Norway

Bose Norge, Solheimsgt. 11
N-2001, Lillestrøm
TEL 63-817380 FAX 63-810819

Sweden

Bose A/S, Blandsädsgatan 2D
43146 Mölndal
TEL 031-878850 FAX 031-274891

Switzerland

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

United Kingdom

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

Other locations

Bose Service, Otis Street Park
Building 3, PO Box 5045
Westborough, MA 01581-5045 USA
TEL (508) 229-8484 FAX (508) 229-3891

Warranty period

The Bose 301® Series III Direct/Reflecting® speaker system is covered by a limited five-year transferable warranty.

Technical information

Features

Direct/Reflecting* speaker design

Free Space* tweeter array

Dual Frequency** crossover network

Slot-port enclosure system

Syncom* computerized quality control

Driver Complement

One (1) 8-inch (20 cm) woofer

Two (2) 3-inch (7.6 cm) high-sensitivity tweeters

Nominal Impedance

8 ohms

Compatibility

Compatible with amplifiers/receivers rated from 10 to 150 watts per channel

IEC power rating

75 watts/channel

Dimensions

10 1/2"H x 17"W x 9 1/2"D
(27 x 43 x 24 cm)

Cabinet

Black, white, or walnut-grained finish

Weight

38 lb (14.2 kg) shipping weight per pair

Wire recommendations

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

<i>Gauge</i>	<i>Length</i>
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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JN94437 PN 143755-Rev.5