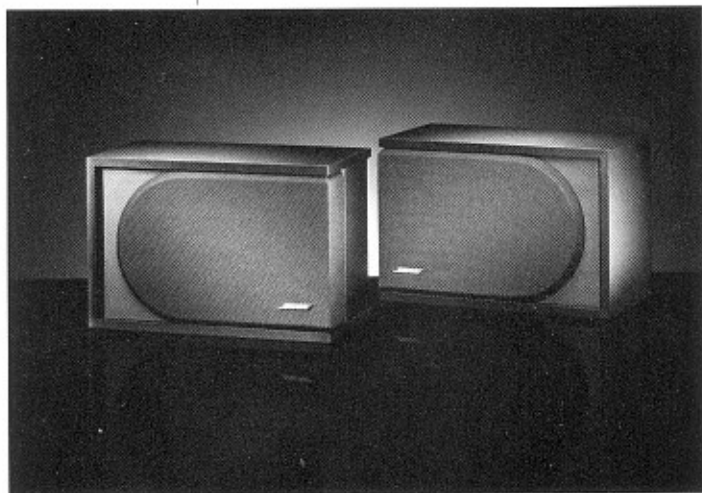

BOSE®

2.2® SERIES II

DIRECT/REFLECTING®

SPEAKERS



OWNER'S GUIDE

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NOTICE D'EMPLOI

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BOSE

Your new 2.2® Series II Direct/Reflecting® speaker system

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

The installation and operating principles of your 2.2 Series II system are significantly different from those of conventional speaker systems. This guide contains useful information that will help you obtain the fullest enjoyment of your new speakers.

The shipping carton contains two 2.2 speakers. 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 2.2 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.

Refer to the speaker's grille shape, as indicated in Figure 1, to determine which is your right and which is your left speaker. Each speaker's grille-covered end should face inward, toward the other's.

For full, lifelike sound

2.2 speakers provide the best performance when space around the cabinets allows the music to flow freely.

Refer to the Figure 1 below for placement in an average-sized room.

Place the left and right speakers on the left and right sides of the room, respectively, spacing them 4 to 12 feet (1.2 - 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*.

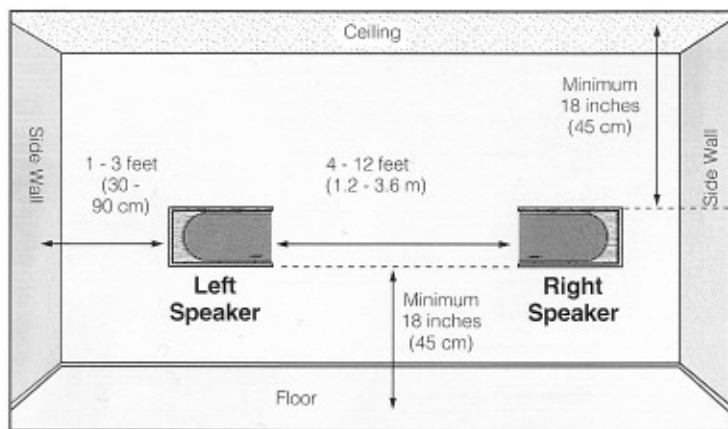


Figure 1

Recommended placement in an average-sized room.

For stronger 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 softened by moving the speakers away from corners and walls.

For use with video

The 2.2" speakers are suitable for video sound applications. Place one speaker on either side of your TV screen, *at least 24 inches* from the screen to avoid picture interference.

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 gauge specifications at the back of this guide.

To make the proper connections

Refer to figure 2, next page.

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. 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 or receiver.

- 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 or receiver.

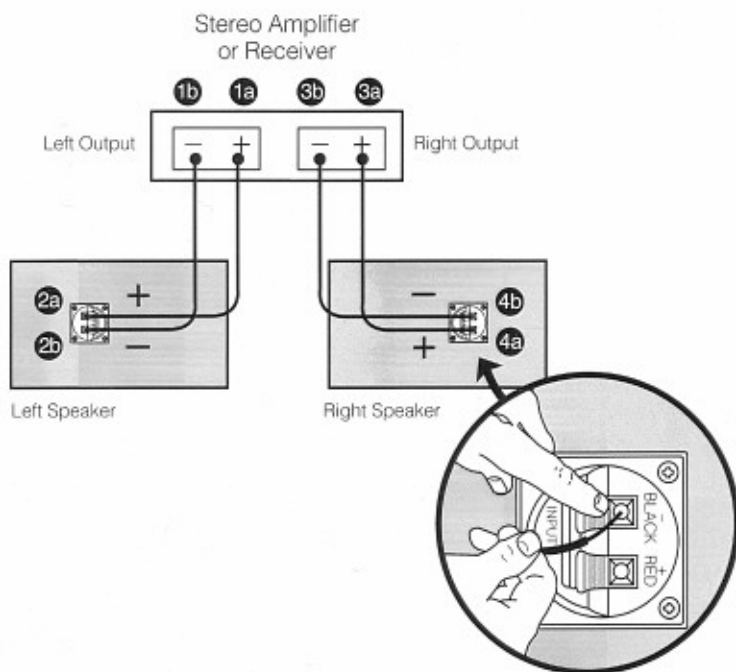
- 3a Attach one stripped end of the marked wire to the red (+) terminal.
- 3b Attach the stripped end of the plain wire to the black (-) terminal.

Connection #4

Connect the free end of that same wire 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.

Check to be sure that no loose strands of wire are accidentally touching both 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.

**Figure 2**

Speaker 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 2.2[®] 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 2.2 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

The 2.2 speaker enclosures can be wiped clean using a soft cloth dampened with a mild detergent. The grille panels require no special care, but may be removed and vacuumed if necessary. Grip each grille by its edges and pull gently to remove. No other maintenance is required.

In case of difficulty

If you experience a problem with your 2.2 speakers, try the solutions suggested below. Most problems typically originate with other components, not your speakers.

Problem

One speaker sounds defective.

Solution

Do not switch the speaker cords, as this could damage your other speaker.

Disconnect the cord 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 cords 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 cords.

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.

Warranty period

The Bose® 2.2® Series II Direct/Reflecting® speaker system is covered by a limited 5-year transferable warranty.

For service

USA

Bose Corporation, The Mountain
Framingham, MA 01701-9168
1-800-288-BOSE (1-800-288-2673)
Phone hours - ET (eastern time):
Weekdays 9 a.m. to 8 p.m.
Saturdays 9 a.m. to 3 p.m.

Canada

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

European Office

Bose B.V., Nijverheidstraat 8
1135 GE Edam, Nederland
TEL 0299-390190 FAX 0299-390109

Australia

Bose Australia, Inc., 1 Sorrell Street
Parramatta, N.S.W. 2150
TEL 02 204-6111 FAX 02 204-6122

Austria

Bose Ges.m.b.H., Vienna Business Park
Wienerbergstrasse 7 (10.OG)
A-1100 Vienna
TEL 01-60404340 FAX 01-604043423

Belgium

Bose N.V., Limesweg 2, B-3700
Tongeren
TEL 012-390800 FAX 012-390840

Denmark

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

France

Bose S.A., 6, rue Saint Vincent
78100 Saint Germain en Laye
TEL 01-30616363 FAX 01-30614105

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Bose GmbH, Max-Planck-Straße 36d
D-61381 Friedrichsdorf
TEL 06172-71040 FAX 06172-710419

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1135 GE Edam
TEL 0299-390190 FAX 0299-390109

India

Bose Corporation India Private Limited
W-16, Greater Kailash-II
New Delhi 110 048
TEL (011) 648 4462 FAX (011) 648 4463

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Bose Corporation
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TEL 042-61988 FAX 042-61998

Italy

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

Japan

Bose K.K., Shibuya YT Building
28-3 Maruyama-cho
Shibuya-ku, Tokyo 150
TEL 3-5489-1054 FAX 3-5489-0591

Norway

Bose A/S, Solheimsgate 11
N-2001, Lillestrøm
TEL 63-817380 FAX 63-810819

Sweden

Bose A/S, Blandsådgatan 2D
S-43146 Mölndal
TEL 31-878850 FAX 31-274891

Switzerland

Bose AG, Rünenbergerstrasse 13
4460-Gelterkinden
TEL 061-9815544 FAX 061-9815502

United Kingdom

Bose Limited, Unit G2
Trinity Trading Estate
Sittingbourne, Kent ME10 2PD
TEL 01795-475341 FAX 01795-427227

From other locations

Bose Customer Service, 1 New York /
Framingham, MA 01701-9168 USA
TEL (508) 766-1900 FAX (508) 766-1919

World Wide Web

www.bose.com

Technical information

Features

- Direct/Reflecting® speaker design
- Dual Frequency™ crossover network
- Slot-port enclosure system
- Syncom® II computer quality control

Driver Complement

- One (1) 6 1/2" (16.5 cm) woofer
- One (1) 2 1/4" (5.7 cm) high-sensitivity tweeter

Nominal Impedance

8 ohms

Compatibility

Compatible with amplifiers/receivers rated from 10 to 120 watts per channel

IEC power rating

60 watts/channel

Dimensions

9 7/8" H x 14 1/2" W x 7.5"D
(25 x 36.8 x 19.05 cm)

Cabinet

Black or wood-grained veneer

Weight

24 lb (10.9 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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Better sound through research.

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