

Bose 4001™ Direct/Reflecting® Speakers

Owner's Guide

Brugervejledning

Bedienungsanleitung

Guía del usuario

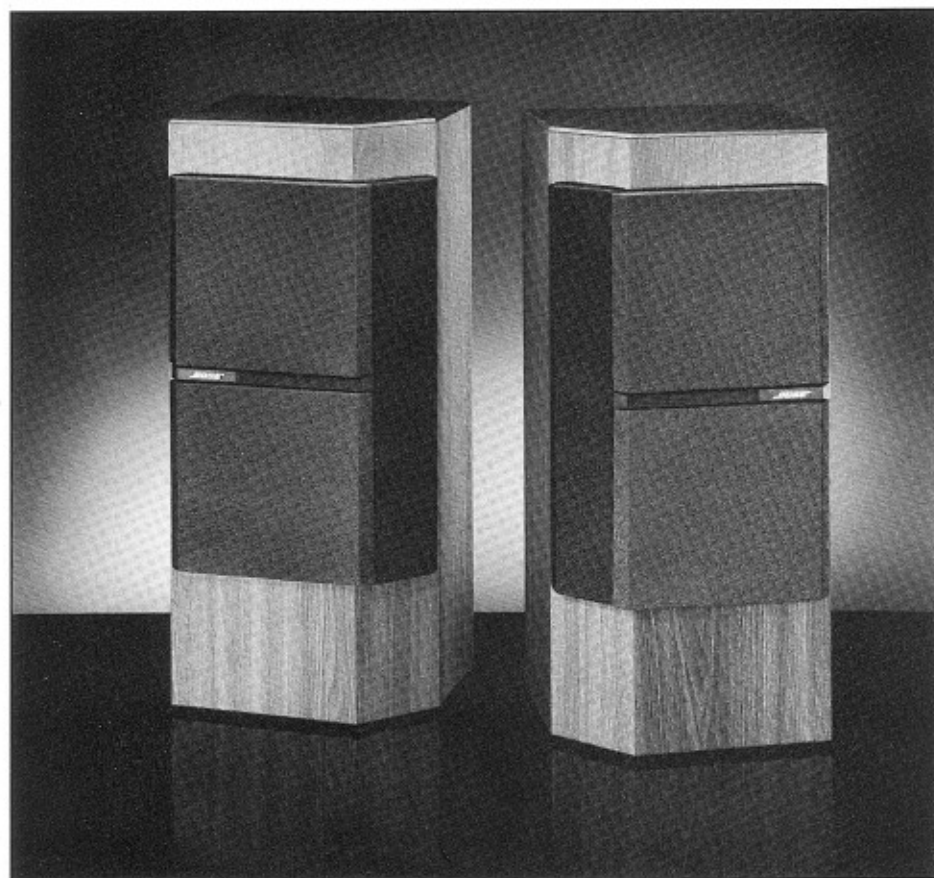
Notice d'utilisation

Manuale di istruzioni

Gebruiksaanwijzing

Bruksanvisning

BOSE



Thank you

Congratulations on your purchase of Bose® 4001™ Direct/Reflecting® speakers. We are confident that their fine sound quality will provide you with listening enjoyment.

Please read and follow the instructions in this owner's guide to help ensure proper operation and performance of your speakers.

For your records

The serial numbers are on the back of each 4001 speaker.

Serial numbers _____ and _____

Date of purchase _____

Retailer's name _____

Retailer's address _____

City _____ State _____ Zip _____

Telephone _____

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Introduction

Your 4001™ Direct/Reflecting® speakers provide a natural balance of reflected and direct sound that conventional speakers cannot match. Their Stereo Targeting® tweeters and bass port tuning allow these distinct left and right speakers to deliver balanced stereo throughout the listening area of your room. Automatic protection circuitry helps prevent them from being damaged by electrical stress or overload at high volumes.

As with every Bose® product, 4001 speakers are engineered to bring you high quality listening pleasure.

Unpack the speakers

Carefully unpack the speakers, the supplied speaker cables, and the self-adhesive rubber feet. Save all packing materials for possible future use. If either speaker appears damaged, do not use them. Repack both speakers in the original carton and notify your authorized Bose dealer immediately.

CAUTION:

To avoid danger of suffocation, keep the plastic bag that wraps these speakers out of reach of babies and children.

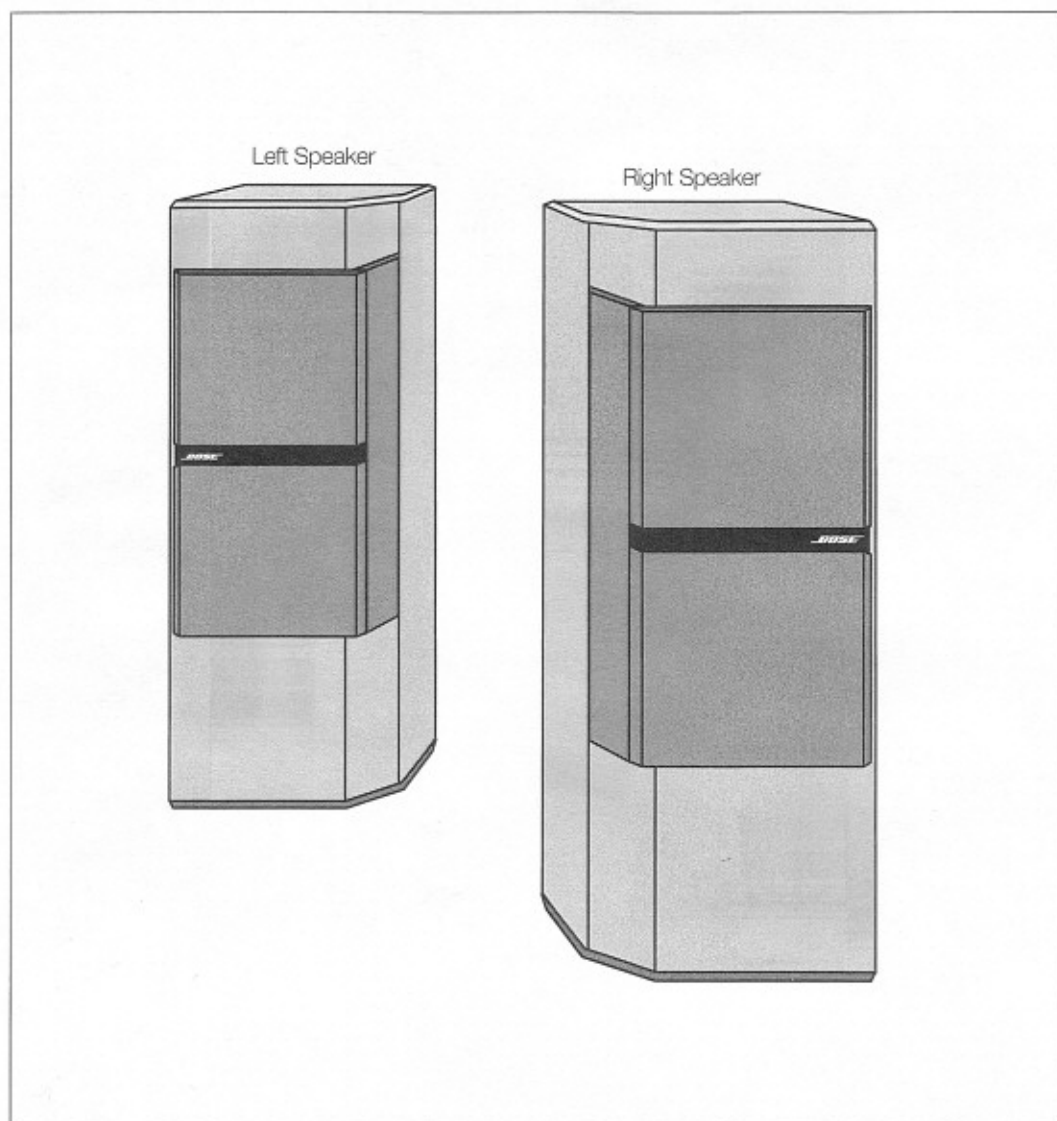


Figure 1

Bose 4001 speakers

Where to stand the speakers

Notice the distinct shape of each speaker (Figure 1). For best acoustic performance, put the left speaker on the left side and the right speaker on the right side of your room.

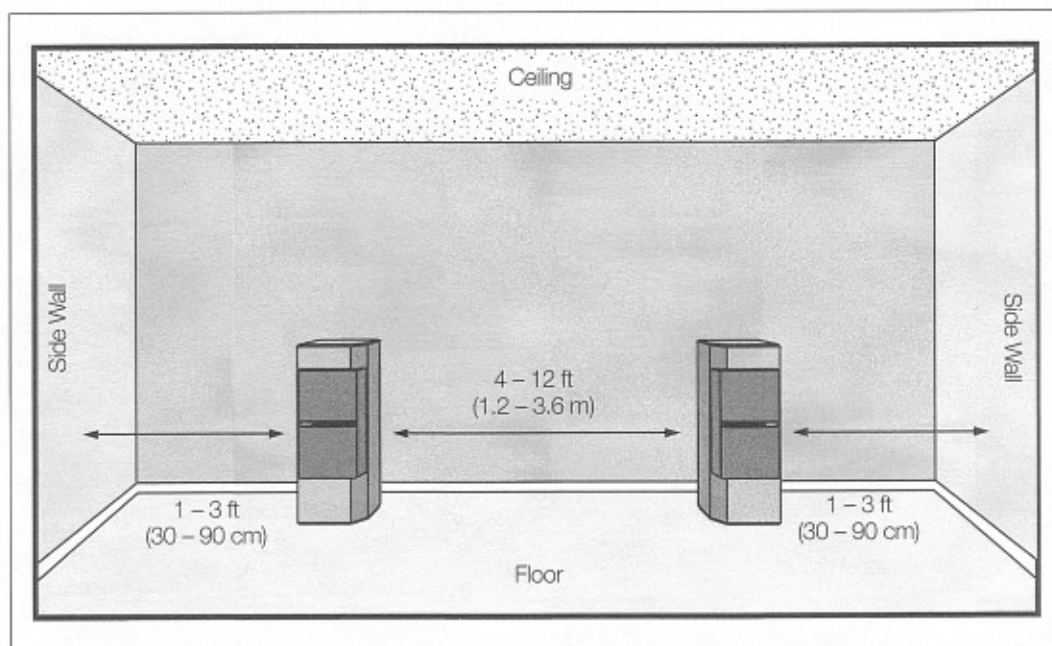


Figure 2

Suggested placement

Place the speakers on the floor, 4 to 12 feet (1.2 - 3.6 m) apart, with each one 1 to 3 feet (30 - 90 cm) from side walls (Figure 2). For more bass response, move your speakers closer to the walls or corners of your room. To reduce bass response, move them farther from the walls.

To prevent video interference, make sure each speaker is at least 24 inches (61 cm) from your video screen.

Once you have decided where you will stand the speakers, attach five rubber feet to the bottom of each speaker for added stability. See Figure 3.

Note: For information on Bose® speaker accessories, contact Bose Corporation. See the inside back cover.

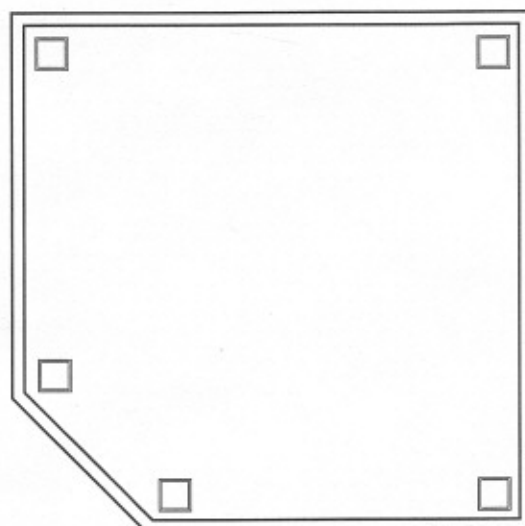


Figure 3

Where to place the rubber feet

Use the supplied cables

Use the supplied 20-foot cables to connect the speakers to your receiver or amplifier. To place your components more than 20 feet (6.2 m) apart, you will need to splice in a length of standard zip cord (2-conductor, 18-gauge wire found at electrical and hardware stores).

To place them more than 30 feet (9.2 m) apart, you will need heavier gauge wire. See the wire recommendations on page 9. Or check with your authorized Bose® dealer.

The supplied speaker cable consists of two insulated wires. The insulation around one wire is marked with a red band. This marked wire is always positive (+). The plain wire is always negative (-). These wires correspond to the red (+) and black (-) terminals on the back of the speaker and receiver or amplifier.

Note: Before running speaker cable through a wall or under a floor, check your local building code requirements and safety regulations. You may want to contact an electrical installer for this information.

Make the connections

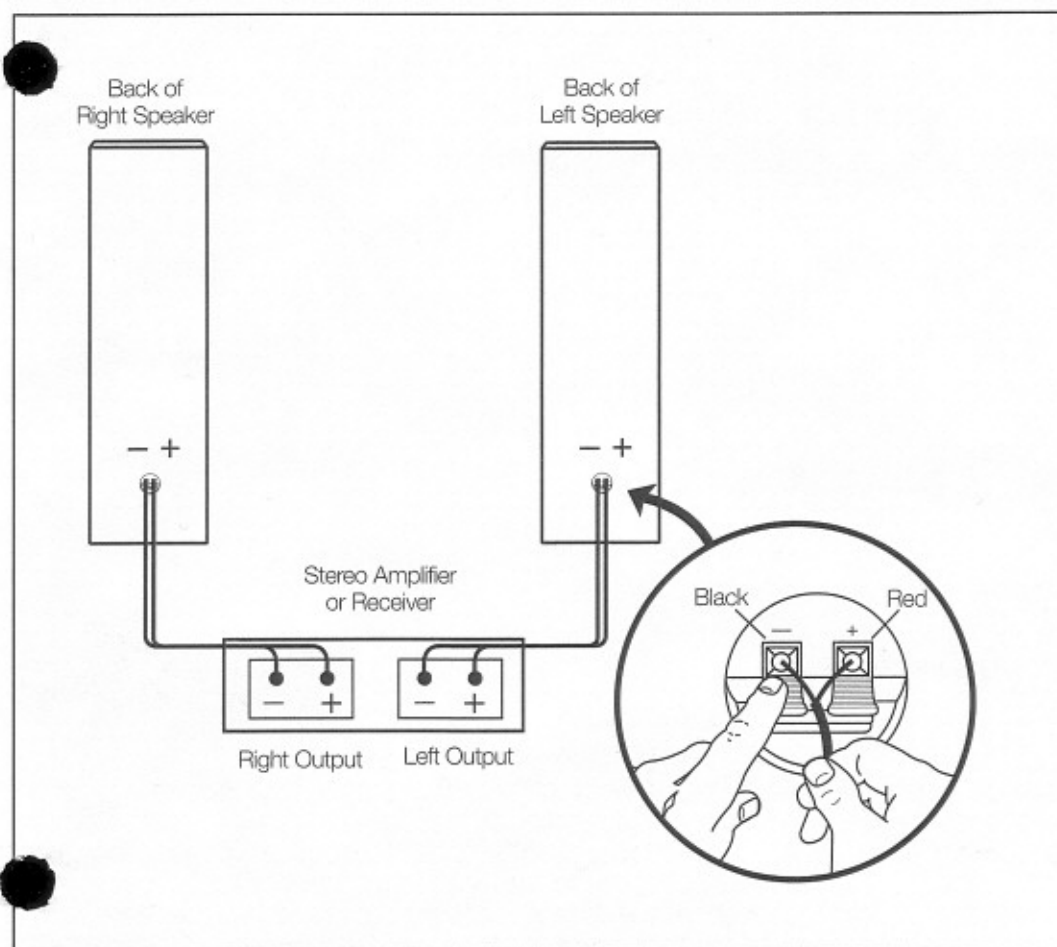
Just press down on the terminal tab to insert the appropriate wire (Figure 4).

1. Connect one cable to the RIGHT SPEAKER OUTPUT of your receiver or amplifier.
 - a. Attach the marked wire at one end to the red (+) terminal.
 - b. Attach the plain wire at that end to the black (-) terminal.
2. Connect the other end of the same cable to your right speaker.
 - a. Attach the marked wire to the red (+) terminal.
 - b. Attach the plain wire to the black (-) terminal.
3. Connect the second cable to the LEFT SPEAKER OUTPUT and left speaker. Follow the procedure described above.

Note: It is sometimes difficult to distinguish wire markings. Inspect both wires carefully.

CAUTION:

Before making any connections, turn off your receiver or amplifier and unplug from outlet (the AC power mains). Not doing so may result in damage to your system.

**Figure 4**

Completed speaker connections

Check the connections

Make sure that no loose strands of wire touch across terminals. Bridged wires can short circuit and damage the speakers or components. Tighten any loose connections before you plug in the receiver or amplifier and turn it on.

Test the connections

To make sure your speakers operate correctly:

1. Set your receiver or amplifier for MONO (monophonic) and turn it on.
2. Set the balance control to normal (center position).
3. Place the speakers less than 6 inches (15 cm) apart, facing each other.
4. Play some deep bass passages of music through the speakers.

The sound should seem to come from a point between the two speakers. The bass should be full and natural. If it is not, your connections may be out of phase. To correct the problem, reverse the connections on the back of one speaker. Then repeat steps 1 – 4 above.

To clean your speakers

Wipe the 4001™ speaker cabinets clean using a soft cloth dampened with a mild detergent. You can also vacuum the cloth grille on each speaker, but apply very little pressure to prevent damaging the driver behind the grille. No other regular maintenance is required.

Troubleshooting

If you have a problem with your 4001 speakers:

1. Turn off the amplifier or receiver and check all the connections between the speakers and amplifier or receiver. Refer to Figure 4 on page 7.
2. Check your amplifier or receiver owner's guide, since other components may be the cause of the problem.
3. Use the chart below as troubleshooting guidelines. If they do not solve your problem, contact your Bose® dealer to arrange for service. Or, to contact Bose directly, refer to information on the inside back cover. Bose Corporation will make every effort to remedy any problem within the terms of your warranty.

Problem	Possible cause	How to find out	Solution
One speaker doesn't play or sounds distorted.	Defective amplifier or receiver channel, or defective speaker.	Disconnect the cords from both speakers only. Then switch them, connecting the right speaker cord to the left speaker and the left speaker cord to the right speaker.	If the originally faulty speaker now plays properly and the other does not, one channel in the amplifier or receiver is probably defective. If the original speaker still does not play properly, call Bose or your retailer to arrange for service.
Both speakers do not play or sound distorted.	Defective amplifier or receiver.		Disconnect the amplifier or receiver from the speakers. Reconnect the speakers to another amplifier or receiver that is working properly.
High sound volume drops suddenly.	The automatic system protection circuit has activated to protect the speakers from electrical stress or overload.	Lower the volume. If it returns to normal, your speakers' automatic protection circuit caused the sudden drop. This volume reduction helps protect the speakers.	Return the volume to a reasonable level and avoid extremely high volume settings.

Warranty information

Bose® 4001™ Direct/Reflecting® speakers are covered by a limited 5-year transferable warranty. Details of the coverage are provided on the warranty card that came with your speakers. Please fill out the information section on your card, then address it, detach, and mail to Bose.

Technical information

Features

- Direct/Reflecting® speaker design
- Stereo Targeting® tweeters
- Automatic protection circuitry
- Syncom® computer quality control

Driver complement

- Two 6½" woofers (16.5 cm) per cabinet
- One 2¼" (5.7 cm) ferrofluid-cooled tweeter per cabinet

Compatibility/Impedance

- Compatible with receivers or amplifiers rated from 10 to 200 watts per channel and 4 to 8 ohms

Power rating: 100 watts IEC

Enclosure

- Dark silver walnut vinyl veneer
- Grilles: Cloth

Dimensions/Weight

- Each speaker: 23½"H x 10½"W x 8½"D (59.7 x 26.7 x 21.6 cm)
- Each speaker, unpacked: 15 lb (7 kg)

Wire recommendations

Based on 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

USA

Bose Corporation, The Mountain
Framingham, MA 01701-9168
1-800-367-4008

Weekdays 9 a.m. to 8 p.m.

Saturdays 9 a.m. to 3 p.m.

ET (eastern time)

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2605 Brøndby
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78100 Saint Germain en Laye
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1135 GE Edam
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N-2001, Lillestrøm
TEL 63-817380 FAX 63-810819

Schweiz

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

Sverige

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

United Kingdom

Bose U.K. Ltd., Trinity Trading Estate
Sittingbourne, Kent ME10 2PD
TEL 0795-3 75341/5 FAX 0795-3 27227

Other locations

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Building 3, PO Box 5045
Westborough, MA 01581-5045 USA
TEL (508) 229-8484 FAX (508) 229-3891

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