

Bose® Model 100 J Speakers

Owner's Guide

BOSE®



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Bose® Corporation inside back cover

For your records

Serial numbers are located on back of your Model 100 J speakers.

Serial numbers: _____ and _____

Dealer name: _____

Dealer phone: _____ Purchase date: _____

We recommend that you save your purchase receipt. It will be helpful if you ever need to arrange for service.

Before you begin

Thank you for choosing Bose® Model 100 J speakers. Their advanced design and quality construction are meant to provide high-quality listening enjoyment in your home.

The StarDriver™ 4.5-inch full-range driver inside each speaker delivers performance usually associated with much larger, more costly speakers.

Please read this owner's guide. It will help you set up and use the speakers properly, so they can deliver the finest sound for your listening pleasure.

Note: *These speakers are not designed for use outdoors or in automobiles.*

Unpack the carton

Carefully unpack the carton. Save all packing materials for possible future use. Carefully peel the clear protective plastic strip from each speaker's accent panel.

Inspect the speakers. If either speaker appears damaged, do not use them. Instead, repack both speakers in the original carton and notify your authorized Bose dealer immediately.

Note: *Now is a good time to record your speakers' serial numbers. Write them in at the beginning of this guide and on your warranty card.*

CAUTION:

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

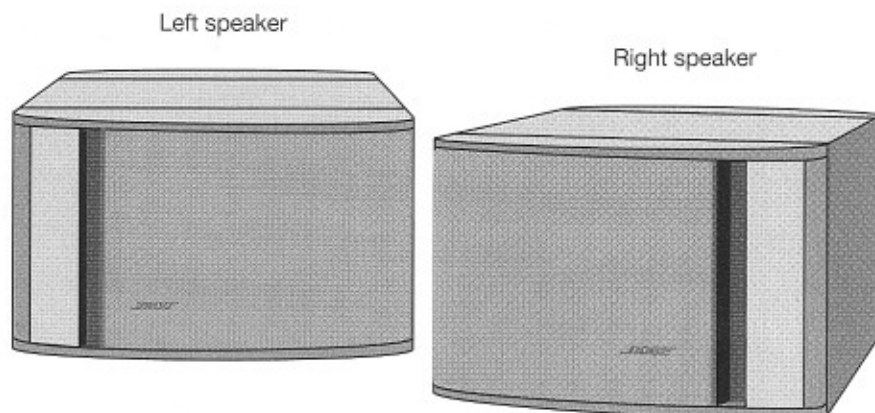


Figure 1

Your Model 100 J speakers

Select locations for your Model 100 J speakers

Your Model 100 J speakers are designed to provide full stereo performance while taking up very little space. You can easily fit them on a shelf or table, either horizontally or standing on end.

For best performance:

- Place the speakers at least 5 feet (1.5 m) apart.
- Position them within 18 inches (45 cm) of the wall behind them.
- Avoid placing them exactly halfway between the floor and ceiling.
- To prevent video interference, keep them at least 2 feet (61 cm) from any video screen.

Note: *Set the speakers only on surfaces that are stable and level. For some surfaces, you may want to use rubber feet for additional stability. To request them free of charge, contact Bose Service (see the inside back cover) or your local Bose Service agency and ask for Part Number 178321.*

Connect the speakers

Position the opening on the front of each speaker (its port) toward the side wall of your room. Or set speakers port side down if you position them vertically. As you face the speakers, the speaker placed on your right will connect to the RIGHT SPEAKER channel of your amplifier or receiver.

Choose the cord

It is important to use the proper gauge (thickness) of speaker cord. Standard zip cord (2-conductor, 18-gauge stranded wire) works for most applications. You can find this wire at most electrical and hardware stores.

You will need thicker wire if your speakers will be more than 30 feet from a receiver or amplifier. Refer to the wire recommendations under "Technical information" on page 7, or contact your authorized Bose® dealer for more information.

Note: Before running speaker cord 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.

Prepare the cord

Speaker cord consists of two insulated wires. The insulation around one wire is marked (striped, collared, or ribbed). This marked wire is always positive (+). The plain wire is always negative (-). These wires correspond to the red (+) and black (-) terminals on the speakers and the receiver or amplifier.

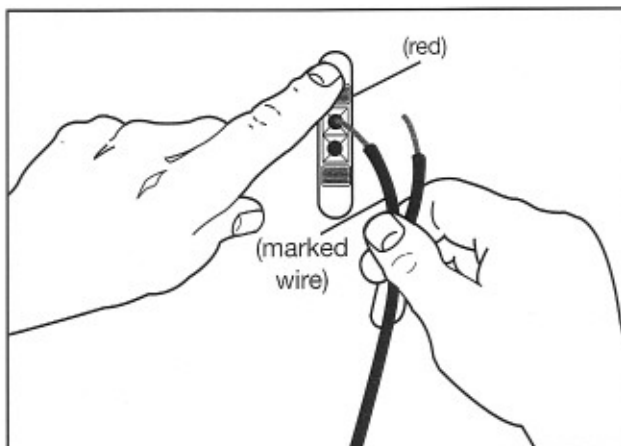
At the ends of each cord, strip approximately 1/2-inch (12 mm) of insulation from both wires. Twist the bare end of each wire, so loose strands will not touch across terminals. Be sure to connect each wire to the proper terminal (positive to positive and negative to negative).

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

Make the connections

Just press down the terminal tab on the back of each speaker to insert the appropriate wire (Figure 2).

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



CAUTION:

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

CAUTION:

Never use broken or frayed wires, which can result in electrical shock or damage.

Figure 2

How to make terminal connections

Check the connections

Check to be sure all connections are made positive to positive (+ to +) and negative to negative (- to -). Make sure that no loose strands of wire touch across terminals. Bridged wires can short circuit and damage the speaker components. Tighten any loose connections before you plug in the receiver or amplifier and turn it on.

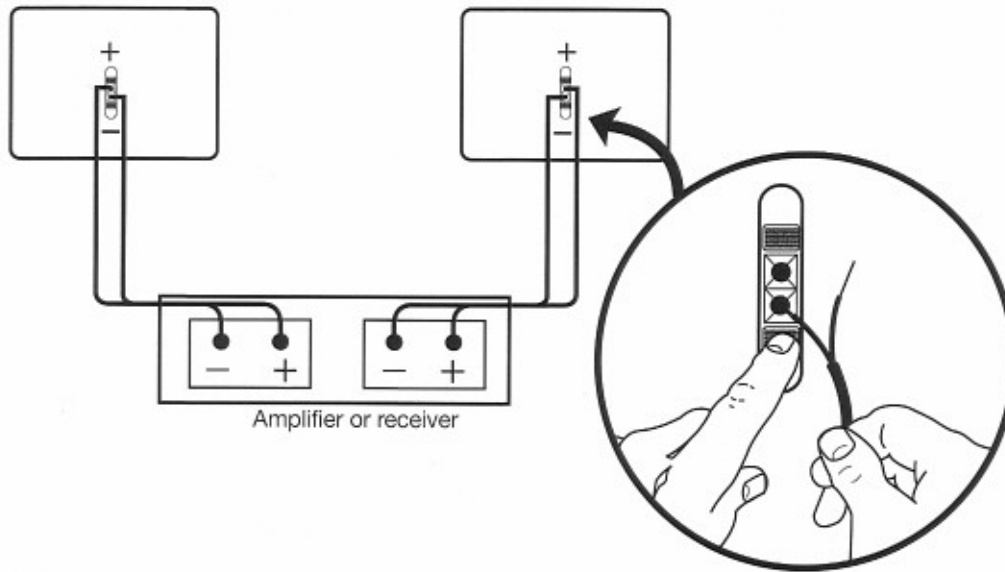


Figure 3

Completed connections

Test the speakers

To make sure your speakers operate correctly:

1. Set your receiver or amplifier to 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 speaker.

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 make them match connections to the amplifier, try reversing the + and - connections on the back of one speaker. Then repeat steps 1 - 4.

To clean your Model 100 J speakers

Wipe the Model 100 J speaker cabinets clean using a soft cloth dampened with a mild detergent. Do not allow liquids to spill into the speaker grilles.

No other regular maintenance is required.

Troubleshooting

If you have a problem with your Model 100 J speakers:

1. Turn off your amplifier or receiver and check all connections between the speakers and the amplifier or receiver.
2. Check your amplifier or receiver owner's guide. That component may be the source of the problem.
3. Use the troubleshooting guidelines below. If they do not solve your problem, contact your Bose® dealer to arrange for service. Or, to contact Bose directly, refer to the listing on the inside back cover of this guide. 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 defective.	Defective speaker cord.	Switch the speaker cords at both ends. Connect the right speaker cord to the left speaker and to the left speaker channel of the amplifier or receiver. Connect the left speaker cord to the other speaker and amplifier channel.	If the originally faulty speaker now plays properly and the other does not, the cord on the malfunctioning speaker is defective.
	Defective speaker or malfunctioning receiver or amplifier channel.	Switch the cords at the speaker end only.	If the originally faulty speaker still does not play properly, the speaker is probably defective. Call Bose or your retailer to arrange for service. If the originally faulty speaker now plays, one channel in the amplifier or receiver is probably defective. Try another receiver.
Both speakers do not play or sound distorted.	Defective amplifier or receiver.		Reconnect the speakers to another amplifier or receiver that is working properly.

Warranty period

Bose® Model 100 J 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, detach, and mail to Bose.

Technical information

Quality standard

Syncom® computer quality control

Driver complement

One StarDriver™ full-range driver per speaker

Compatibility/Impedance

Compatible with amplifiers and receivers rated 10 to 100 watts per channel; rated 4-8 ohms

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

Enclosure

Slate gray vinyl veneer
Cloth-covered molded plastic grilles

Size/Weight

Each speaker: 6"H x 9¾"W x 6½"D (15.2 x 24.8 x 16.5 cm)

Each speaker: 4.4 lb (2 kg)

Speaker pair in shipping carton: 11 lb (5 kg)

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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Richmond Hill, Ontario L4B 1B3
1-800-444-BOSE (1-800-444-2673)
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ET (eastern time)

European Office

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Schweiz

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Sverige

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43146 Mölndal
TEL 031-878850 FAX 031-274891

United Kingdom

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TEL 0795-475341/5 FAX 0795-427227

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Westborough, MA 01581-5045 USA
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