



The Bose® Acoustimass® 5 Series III Speaker System

Owner's Guide

October 22, 2001

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Thank you

We appreciate your choice of the Bose® Acoustimass® 5 Series III speaker system. It will provide you with many years of listening enjoyment. Your system features new third generation Acoustimass cube speaker arrays, a product of the continuous research and development at Bose Corporation. These cube speakers deliver more lifelike sound and better overall performance, yet are smaller than their predecessors.

Important information

Please read this owner's guide

The set-up and operation of your Acoustimass 5 Series III speaker system is significantly different from other speakers. Please take the time to read this owner's guide carefully. It will help you set up and operate your system properly and enjoy all of its advanced features. Save your owner's guide for future reference.

Declaration of Conformity



We, the offerer:

Bose® Corporation, The Mountain,
Framingham, MA 01701-9168 USA

acknowledge our sole responsibility, that the product:

Kind of equipment: **Loudspeakers**
Type designation: **Acoustimass® 5 Series III Speakers**

in accordance with EMC Directive 89/336/EEC and Article 10(1) of the
Directive, is in compliance with the following norm(s) or document(s):

Technical regulations: **EN50081-1, EN50082-1**

Accredited by Bose Corporation

1 May 1998

Bose B.V., Nijverheidstraat 8
1135 GE Edam, The Netherlands

A handwritten signature in black ink, reading 'Anton Schalkamp', written over a horizontal line.

Anton Schalkamp
General Manager, Bose Europe
Manufacturer's authorized EU representative

1. **Read these instructions** – for all components before using this product.
2. **Keep these instructions** – for future reference.
3. **Heed all warnings** – on the product and in the owner's guide.
4. **Follow all instructions.**
5. **Do not use this apparatus near water or moisture** – Do not use this product near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, or anywhere else that water or moisture are present.
6. **Clean only with a dry cloth** – and as directed by Bose® Corporation. Unplug this product from the wall outlet before cleaning.
7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions** – To ensure reliable operation of the product and to protect it from overheating, put the product in a position and location that will not interfere with its proper ventilation. For example, do not place the product on a bed, sofa, or similar surface that may block the ventilation openings. Do not put it in a built-in system, such as a bookcase or a cabinet that may keep air from flowing through its ventilation openings.
8. **Do not install near any heat sources, such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.**
9. **Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wider blade or third prong are provided for your safety. If the provided plug does not fit in your outlet, consult an electrician for replacement of the obsolete outlet.**
10. **Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.**
11. **Only use attachments/accessories specified by the manufacturer.**
12. **Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.**
13. **Unplug this apparatus during lightning storms or when unused for long periods of time** – to prevent damage to this product.



14. **Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way: such as power-supply cord or plug is damaged; liquid has been spilled or objects have fallen into the apparatus; the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped** – Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please call Bose to be referred to an authorized service center near you.
15. **To prevent risk of fire or electric shock, avoid overloading wall outlets, extension cords, or integral convenience receptacles.**
16. **Do not let objects or liquids enter the product** – as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
17. **See product enclosure for safety related markings.**

Information about products that generate electrical noise

If applicable, this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, this is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the one to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: Unauthorized modification of the receiver or radio remote control could void the user's authority to operate this equipment.

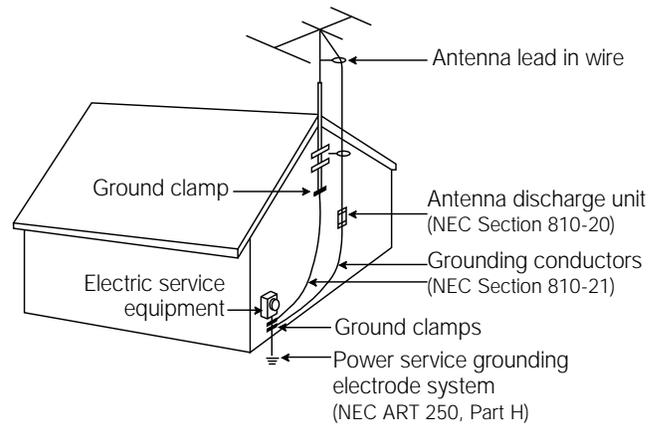
This product complies with the Canadian ICES-003 Class B specifications.

- 18. Use proper power sources** – Plug the product into a proper power source, as described in the operating instructions or as marked on the product.
- 19. Avoid power lines** – Use extreme care when installing an outside antenna system to keep from touching power lines or circuits, as contact with them may be fatal. Do not install external antennas near overhead power lines or other electric light or power circuits, nor where an antenna can fall into such circuits or power lines.
- 20. Ground all outdoor antennas** – If an external antenna or cable system is connected to this product, be sure the antenna or cable system is grounded. This will provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code ANSI/NFPA No. 70 provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the ground electrode. Refer to the antenna grounding illustration on this page.

Antenna grounding

Example of antenna grounding as per National Electrical Code, ANSI/NFPA 70.



Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC (of USA) that provides guidelines for proper grounding. In particular, it specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as is practical.

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Better sound through research[®]

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255805 AM Rev.00 JN10494

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For your records

Serial numbers are located on the connection panel of the Acoustimass module.

Serial number: _____

Dealer name: _____

Dealer phone: _____ Purchase date: _____

We suggest you keep your sales slip and warranty card together with this owner's guide.

Before you begin

The Bose® Acoustimass® 5 Series III speaker system offers many advantages over conventional speakers. For one, the system adjusts to deliver the best combination of direct and reflected sound for your listening environment and musical taste. And this Virtually Invisible® speaker system requires very little space to deliver a lifelike musical performance formerly associated with room-dominating loudspeakers.

Sections 1 – 5 give you step-by-step instructions on how to set up and connect the system to your components, so you can begin enjoying it as soon as possible. The remaining sections provide more detailed information on arranging your system for the best possible performance.

1. Unpacking the carton

Unpack your system and familiarize yourself with the parts identified in Figure 1. If any part of the product appears damaged, do not attempt to use the system. Repack it in the original carton and notify Bose or your authorized Bose dealer immediately.

- Remove any staples from the opened carton flaps.
- Remove the inner cartons containing the two cube speaker arrays.
- Gently roll the carton over onto its side and then onto its opening.
- Carefully lift the carton from around the Acoustimass module and packing cushions.



WARNING: The Acoustimass module weighs 18.8 pounds (8.5 kg). Use good lifting practice to avoid injury.



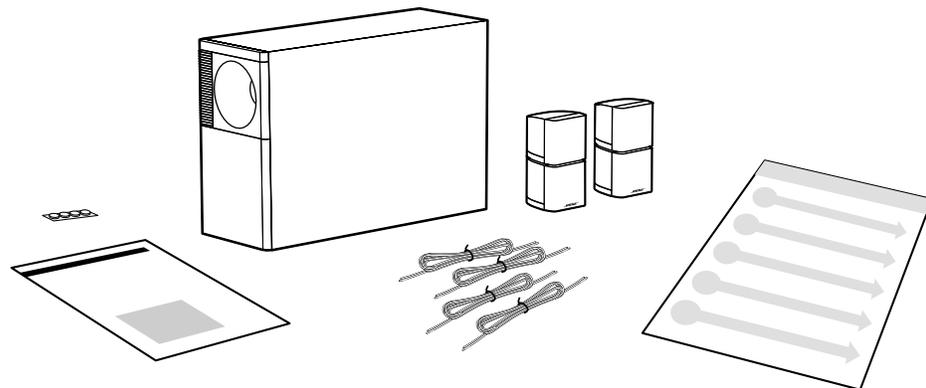
WARNING: To avoid danger of suffocation, keep the plastic bags out of the reach of children.

Note: Now is a good time to record the serial number of these speakers on page 3 of this guide and on your warranty card. It is a good idea to save all packing materials for possible future use.

Figure 1

What comes in the carton:

- 2 Cube arrays
- 1 Acoustimass module
- 4 Wires
- 4 Adhesive-backed rubber feet
- Owner's guide
- Quick set up guide



2. Selecting the locations for your Acoustimass® system components

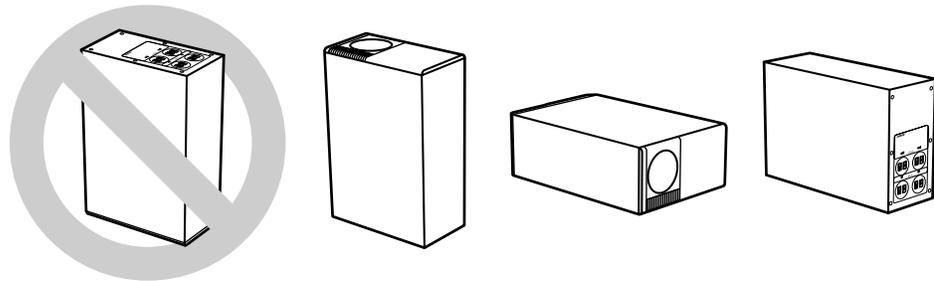
1. You can place the Acoustimass module almost anywhere in your listening room, in either a vertical or horizontal position (Figure 2). It can be hidden under a bed or table or even behind a sofa, as long as you remember not to block the round opening in the end of the unit. Allow at least 2 inches (5 cm) of space between that end and any surface. After selecting a place for the Acoustimass module, attach the four rubber feet to the bottom surface for additional stability. If you choose to stand the module on its connection end, the feet must be attached to protect the wire connections.



CAUTION: The Acoustimass module is not magnetically shielded and should be kept at least two feet (.6 m) from a television.

Figure 2

Acoustimass module positions



2. Next, select the positions for the left and right cube arrays. Remember that wires from the arrays connect to the Acoustimass module, so you should locate the cube arrays close enough to the module to enable the wires to reach it. The cube arrays are magnetically shielded, so they may be placed near a television.



Note: Bose® wall brackets and floor stands can increase your placement options. See page 12 for details and ordering information.



Note: While the wires provided are adequate for most installations, you may increase the distance between the cube arrays and the Acoustimass module by splicing in additional wire. If you do so, use similar gauge or thicker wire, and make sure you maintain the correct phase (+ to + and - to -), and properly connect the wires.

3. Examining the cables and connections

Locate the four identical pairs of wires packed with the system.

- Two wire pairs connect your cube arrays to the Acoustimass module.
- The other two wire pairs connect the Acoustimass module to your receiver or amplifier.
- Examine the ends of the wires. The marked wire (with a red, striped, or printed marker) connects to the positive (+) terminal at each connection.
- The cube arrays and the Acoustimass module have red positive (+) connections.

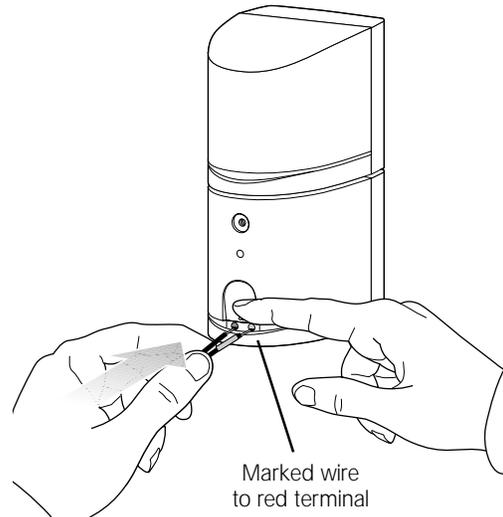
4. Connecting the cube arrays to the Acoustimass® module

Select one pair of wires, and locate the terminal tab on the rear of the left cube array.

1. Just press the terminal tab on the back of the speaker to insert the marked wire into the red (+) terminal and the plain wire into the black (-) terminal (Figure 3).
2. Release the terminal tab and both wires will be held securely.
3. Repeat this process with the other pair of wires and the right cube array.

Figure 3

Connecting a cube array

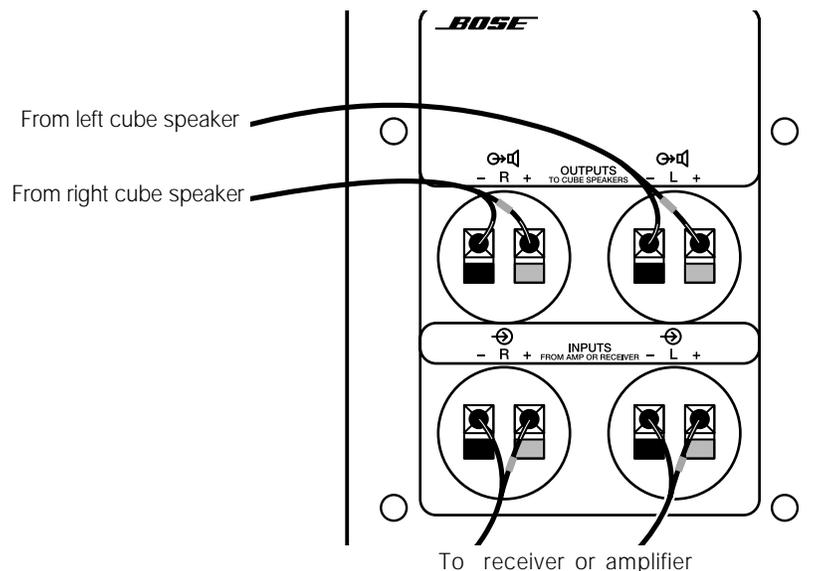


CAUTION: Do not connect your amplifier or receiver directly to the cube arrays. Cube arrays must be connected directly to the Acoustimass module or damage will result.

4. Next, locate the terminals marked OUTPUTS TO CUBE SPEAKERS on the rear of the Acoustimass module (Figure 4).
5. Connect the other ends of the wires from the left cube array to the pair of terminals marked L. Make sure that the marked wire is connected to the positive (+) and the plain wire is connected to the negative (-) terminal.
6. Now, repeat step 5 for the right cube array, connecting its wires to the terminals marked R.

Figure 4

Connecting cube arrays to the Acoustimass module

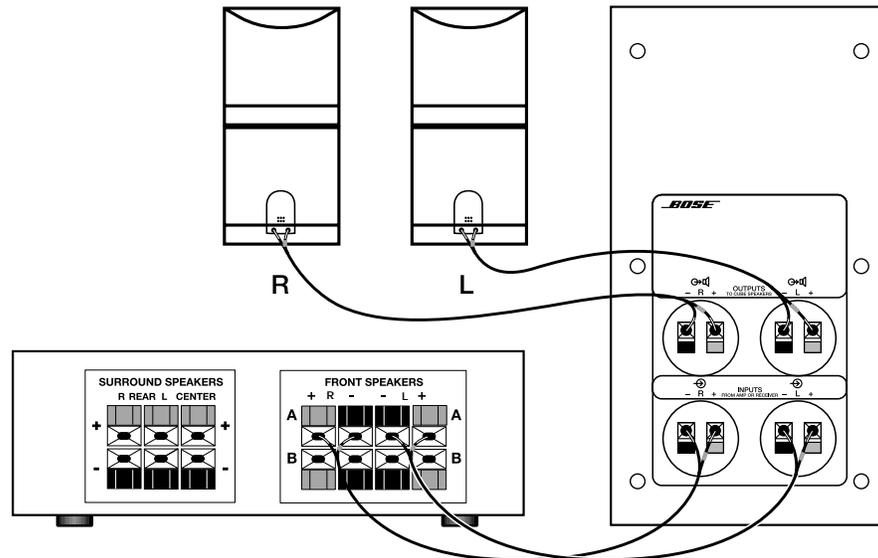


5. Connecting the Acoustimass® 5 Series III system to your receiver

1. Select one of the remaining two pairs of wires, and locate the left channel terminals on the Acoustimass module marked INPUTS FROM AMP OR RECEIVER. Depress the red, positive (+) tab, insert the marked wire and release the tab. Repeat the process for the black, negative (-) tab and the plain wire (Figure 5).
2. Then follow the same procedure for the right channel, using the last pair of wires.

Figure 5

Connecting the Acoustimass module to your receiver



3. Disconnect your receiver or amplifier from the AC power (mains) outlet.
4. Locate the speaker outputs on your receiver. Connect the other ends of the wire from the left channel of the Acoustimass module to the terminals marked L or LEFT. Make sure that the marked wire is connected to the positive (+) and the plain wire is connected to the negative (-) terminal.
5. Repeat these last two steps for the right channel.
6. Your set-up is complete. Plug in your receiver, turn the system on, and enjoy your Acoustimass 5 Series III speakers!



CAUTION: Before you plug in your receiver or amplifier, make sure that no strands of wire from any terminal are brushing against any other terminal. Such "bridged" wires create short circuits which can damage your receiver or amplifier.

Checking your speaker system

As you begin listening to your Acoustimass 5 Series III speaker system, the following test will help you determine that it is working properly:

- A. Turn the balance control on your receiver or amplifier all the way to the left. If you have connected the cube arrays properly, you will hear the music from the left cube array, but not the right one. You may notice a very faint sound issuing from the right cube array, which is normal.
- B. Now, turn the balance control all the way to the right. If your cube arrays are connected properly, this time you will hear music only from the right one. You may also detect a very faint sound from the other cube array.
- C. Return the balance control to the center position. Play a musical selection with deep bass. Now turn the balance control all the way to the left and listen, and then turn the balance all the way to the right and listen. If the system is connected properly, the center position should exhibit the same or greater bass response than either the left-only or right-only positions. If it exhibits less, check to make sure that your components are connected as described on pages 6 and 7.
- D. Return the balance control to the center position.

If your system does not appear to be working properly, refer to the Troubleshooting section on page 11.

Positioning your speaker system to get the best sound

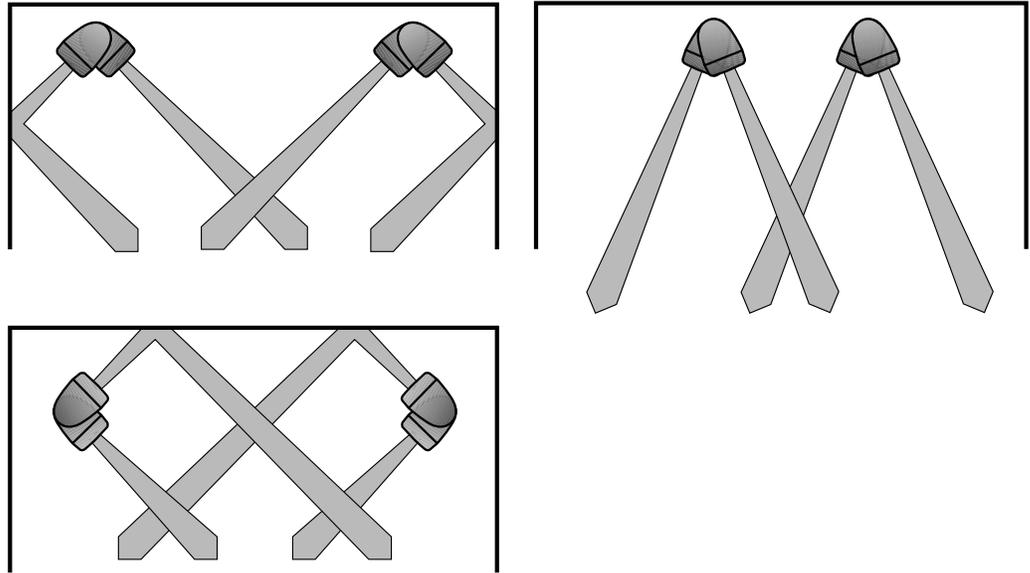
Your Acoustimass 5 Series III speaker system may be used in a variety of ways. Here are some guidelines.

Cube considerations

- A. In average-sized listening rooms, the best stereo effects result when the left and right cube arrays are spaced 6 to 12 feet apart (1.8 – 3.6 m). However, you can still achieve excellent results with separation as little as 3 feet (1 m) or as great as 15 feet (4.5 m).
- B. The cube arrays are magnetically shielded for use with video systems and may be placed near your television without adversely affecting picture quality. *However, the Acoustimass module is not shielded and should be kept at least 2 feet (.6 m) from a television.*
- C. Though there is no “correct” position for the cube arrays or the angle between them, the most lifelike effect will be achieved by providing a balance of direct and reflected sound. Experiment with the positions of the cubes for the results you prefer. Figure 6 shows some typical cube arrangements.
- D. You may use the cube arrays with both cubes facing forward. This eliminates the benefits of direct and reflected sound, but may be appropriate for very small listening areas.

Figure 6

Cube array positions



Acoustimass module considerations

Unlike conventional floor standing or bookshelf speakers, you can fine tune the bass response of your Acoustimass 5 Series III speaker system without compromising an accurate stereo image. Just change the location of the Acoustimass module within your listening room. Placing it along a wall 3 to 5 feet (1 – 1.5 m) from a corner provides a normal balance of frequencies from your speaker system. Moving the Acoustimass module closer to walls or corners increases bass response while moving it away from walls or corners decreases bass. In most rooms, it is easy to find a convenient location that provides pleasing bass response.



CAUTION: The Acoustimass module is not shielded and should not be placed within 2 feet (.6 m) of a television.

Using your speaker system to its best advantage

Your speaker system requires very little attention when set up and connected properly. However, observing the following guidelines will help maximize your enjoyment.

Room Acoustics

The acoustics (sound properties) of your listening room can affect the overall sound quality of any speaker system. The following tips will give you some control over the sound:

- A. Rooms with a lot of sound-absorbing furnishings, such as stuffed furniture, wall-to-wall carpet, or heavy drapes, may reduce the treble sound (high frequencies). The missing treble sound can be restored by slightly turning up the treble control on your receiver or amplifier. If convenient, you may remove some of the sound-absorbing material.
- B. Rooms with too few sound absorbing furnishings, especially those with bare floors and walls, may sound overly shrill or “bright” because of too much treble. Turning down the treble control or adding sound absorbers such as throw carpets or drapes will usually improve the sound.
- C. If your system seems to have too much or too little bass (low frequencies), you can adjust the bass control on your receiver or amplifier. You may also move the Acoustimass module closer to a wall and/or corner to increase bass. Doing the opposite will decrease bass.
- D. In general, many problems with acoustics can be solved by the judicious use of your tone controls. Remember, though, that the use of these controls (especially when turned all the way up) may put greater power demands on your receiver or amplifier. Excessive tone adjustment can cause an amplifier or receiver to run out of power and distort, potentially damaging your system.
- E. External signal processors (such as graphic and parametric equalizers), while not recommended, can be used with your Acoustimass 5 Series III speaker system if a greater degree of acoustic control is desired. Consult your Bose® dealer for advice.

Automatic System Protection

- ♪ *Note: The Acoustimass 5 Series III speaker system incorporates an automatic protection circuit, which guards against most kinds of damage from electrical stress or overload. This circuit activates at high volume levels to reduce output, causing a slight decrease in volume. This is normal operation and indicates that power input may be exceeding safe levels. Sustained listening at these levels is not recommended.*

Receiver/amplifier considerations

- ♪ *Note: Your 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 fails. Increasing the volume until the music sounds distorted also causes speaker damage. This can happen even with a low-powered receiver or amplifier.*

Your speaker system is designed for use with receivers or amplifiers rated from 10 to 200 watts per channel with 4 to 8 ohm impedance. For further information, refer to your receiver or amplifier owner's guide.

Maintaining your speaker system

The cabinets of your Acoustimass 5 Series III speaker system may be cleaned with a soft damp cloth. Do not use any sprays near the system or allow liquids to spill into any openings. Also, do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives.

The grille assemblies on the cube arrays may be carefully vacuumed if necessary. Please note that the drivers are located directly behind the grille cloth, and are easily damaged if reasonable care is not taken.

Troubleshooting

<i>Problem</i>	<i>What to do</i>
One of the cube arrays does not play	<ul style="list-style-type: none"> • Turn off the receiver or amplifier. Check the wiring that connects the cube array to the Acoustimass module, and the wiring that connects the module to the receiver or amplifier. If no problem is found, disconnect the speaker wires at the back of the receiver. Reconnect only the wire from the channel in question to the opposite channel at the receiver. Turn the balance control completely to that channel, and turn the power on. If the cube array now works properly, the problem is in the receiver or amplifier. • Do not connect the other cube array to the defective channel. It could damage your speaker system.
The Acoustimass 5 speaker system does not play or sounds distorted	<ul style="list-style-type: none"> • Turn off the receiver or amplifier and disconnect the Acoustimass 5 speaker system. Reconnect the system to another receiver known to be working properly. If the Acoustimass 5 system now works properly, the problem is not in the speaker system. • If this is the case, you should check all user accessible fuses on your receiver or amplifier (see the appropriate owner's guide for help). If the fuses blow again, have the unit checked by qualified personnel. • If trouble persists in your Acoustimass 5 speaker system, contact your authorized Bose® dealer, who will verify any defects and arrange for service by an authorized agency or by the Bose factory. Bose will make every effort to remedy any problem within the terms of the warranty at minimum inconvenience to you.

Technical Information

Features

Direct/Reflecting® speaker design
Acoustimass® speaker system
Syncom® II computerized quality control
Automatic system protection circuitry

Driver Complement

Two 5.25 inch (13.3 cm) low-frequency drivers in Acoustimass module
Four 2.5 inch (6.4 cm) magnetically shielded, wide-range drivers in cube arrays

Compatibility

Compatible with receivers or amplifiers rated from 4 – 8 ohms
Compatible with receivers or amplifiers rated from 10 – 200 watts per channel

Finish

Acoustimass module: Scratch-resistant black or white satin finish
Cube arrays: Black or white polymer finish

Size/Weight

Cube arrays: 6.2"H x 3.1"W x 4.0"D (15.7 cm x 7.8 cm x 10.2 cm)
2.4 lb (1.09 kg)
Acoustimass module: 14.0"H x 19.0"W x 7.5"D (35.5 cm x 48.0 cm x 19.1 cm)
18.8 lb (8.5 kg)
Total shipping weight:
30.8 lb (14 kg)

Available Accessories

Floor stands: UFS-20B (black), UFS-20W (white)
Wall brackets: UB-20B (black), UB-20W (white)

Warranty period

The Bose® Acoustimass 5 Series III speaker system is covered by a limited 5-year transferable warranty. Details of the warranty are provided on the warranty card that came with your system. Please fill out the information section on the card and mail it to Bose.

Customer service

For help in ordering accessories or solving problems, contact Bose Customer Service. See the inside back cover for offices and phone numbers.

USA

Bose Corporation, The Mountain
Framingham, MA 01701-9168
1-800-367-4008
Phone hours - ET (eastern time):
Weekdays 8:30 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
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Phone hours - ET (eastern time):
Weekdays 9 a.m. to 5 p.m.

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