




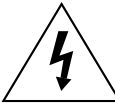

# *The Bose® Acoustimass® 5 and 20 Powered Speaker System*



*Owner's Guide*

*December 20, 2001*

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 **WARNING:** To reduce the risk of fire or electric shock, do not expose the system to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRICAL SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		

	<b>AVIS</b> RISQUE D'ÉLECTROCUTION NE PAS OUVRIR.	
ATTENTION : POUR RÉDUIRE LE RISQUE D'ÉLECTROCUTION NE RETIREZ PAS LE COUVERCLE (NI LE PANNEAU ARRIÈRE). IL NE SE TROUVE À L'INTÉRIEUR AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'USAGER. ADRESSEZ-VOUS A UN À UN RÉPARATEUR COMPÉTENT.		

These CAUTION marks are located on the bottom of your Lifestyle® Acoustimass® module:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the system enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle, as marked on the system, is intended to alert the user to the presence of important operating and maintenance instructions in this owner's guide.

### **Additional safety information**

See the additional instructions on the *Important Safety Information* page enclosed with this owner's guide.

### **Please read this owner's guide**

Please take the time to follow this owner's guide carefully. It will help you set up and operate your Acoustimass 5 or 20 powered speaker system properly. Save your owner's guide for future reference.


### **Class B emissions limits**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.



**CAUTION:** If liquids get into the product, turn the system off and allow it to air dry. Then turn it on again. If you notice any problems with its functioning, unplug it and contact Bose customer service.

## Important Safety Instructions

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.*

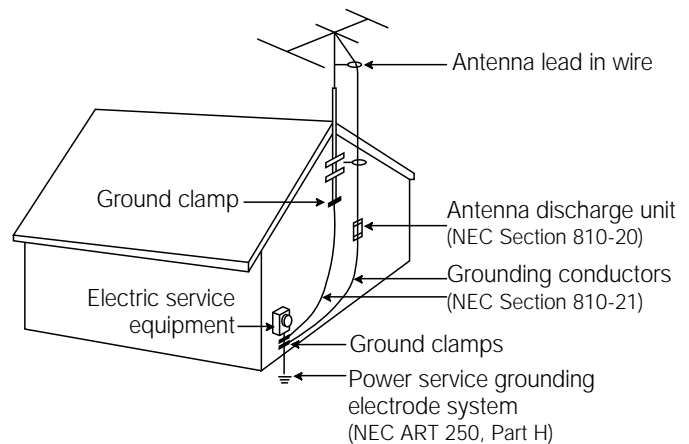
This product complies with the Canadian ICES-003 Class B specifications.

## Important Safety Instructions

- 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<sup>®</sup>

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255805 AM Rev.00 JN10494

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## Before you begin

Thank you for purchasing the Bose® Acoustimass® 5 or 20 powered speaker system. These speakers are designed specifically for use with the Bose Lifestyle® music systems to deliver high-fidelity, room-filling sound to additional rooms in your home.

Because these speakers are different from other systems, we recommend that you take the time to read this owner's guide. It contains instructions and information that will help you get the most enjoyment possible from your new speakers.

## Unpacking the carton

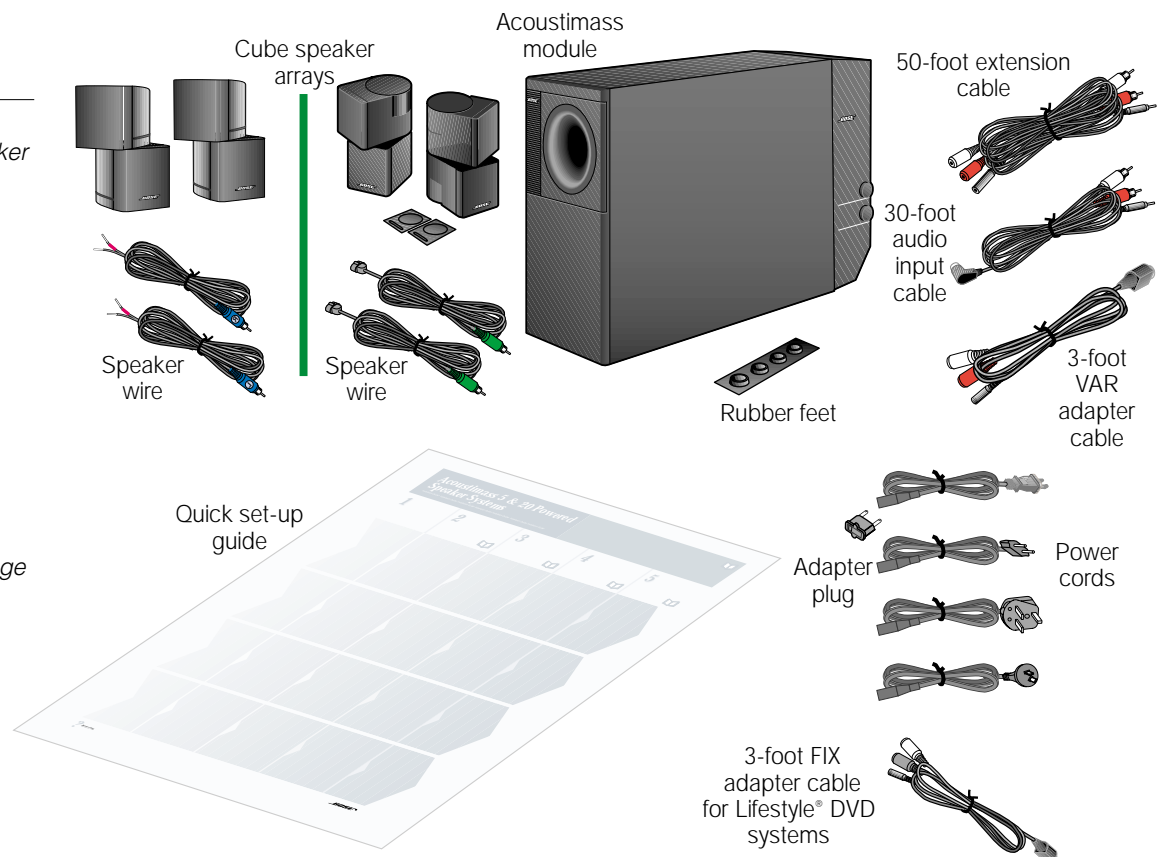
Carefully unpack your speakers. Save all packing materials for possible future use. The original packing materials provide the safest way to transport your speaker system. If any part of the product appears damaged, do not attempt to use the system. Notify Bose or your authorized Bose dealer immediately.

Check to be sure your Acoustimass 5 or 20 powered speaker system contains the parts identified in Figure 1.

**Figure 1**

What comes with your Acoustimass powered speaker system:

- Owner's guide
- Quick set-up guide
- 2 cube arrays
- 1 Acoustimass module
- Speaker wire
- Rubber feet
- 3-foot VAR adapter cable for Lifestyle® DVD systems
- 3-foot FIX adapter cable for Lifestyle® DVD systems
- 50-foot extension cable
- 30-foot audio input cable
- AC power (mains) adapter plug (in dual voltage systems)
- Power cord



**Note** Find the serial numbers on the bottom panel of the Acoustimass module. Then write them on your warranty card.

**WARNING:** The Acoustimass module weighs 33 pounds (15 kg). Use good lifting practice to avoid injury.

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

## Select the location for your speaker system

When you place your speakers according to the guidelines below, a combination of reflected and direct sound provides a good stereo image virtually everywhere in the room. You may experiment with the placement and orientation of the cubes and the Acoustimass® module to produce the sound most pleasing to you.

To adjust your system for the characteristics of your listening room, see "Fine-tuning your system" on page 16.

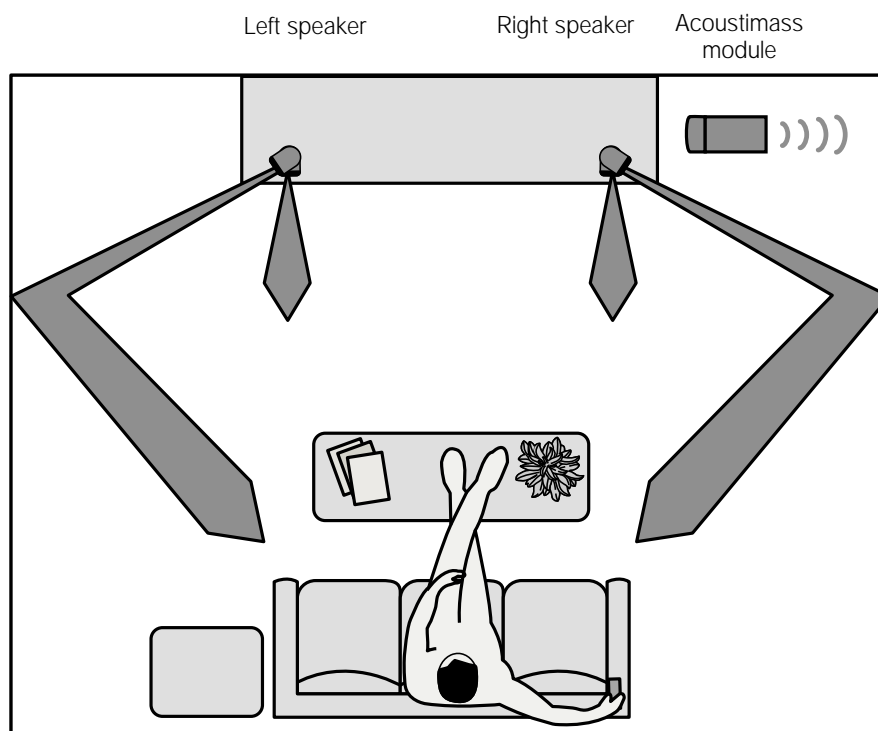
### Speaker locations

Follow these guidelines to select locations for your Acoustimass 5 or 20 speaker system. The speaker cables allow up to 20 feet (6.1 m) distance from the Acoustimass module.

1. For the most lifelike sound, place the cube arrays 6-12 feet (1.8-3.6 m) apart. They can be as close as 3 feet (0.9 m) or as far apart as 15 feet (4.6 m).
2. Direct one cube of each array forward. Direct the other cube toward the wall or in a different direction to create reflected sound. (See the illustration of reflected sound patterns in Figure 2.)

**Figure 2**

Recommended speaker locations



**CAUTION:** Choose a stable and level surface for your speakers. Vibration can cause the speakers to move, particularly on smooth surfaces like marble, glass, or highly polished wood. For additional stability, you can add rubber feet to your speakers. You may obtain rubber feet (part no. 178321) free of charge from Bose®. Contact Bose Customer Service for more information.

**Note:** If you put the speakers in a bookcase unit, be sure to place each one at the front edge of the shelf. Placing speakers in an enclosed space can change the tonal quality of the sound. This effect is minimized if the shelves are filled with books.

**Note:** The cube speakers are magnetically shielded so you can place them close to a TV without affecting picture quality.

## Select the locations for your speaker system (cont.)

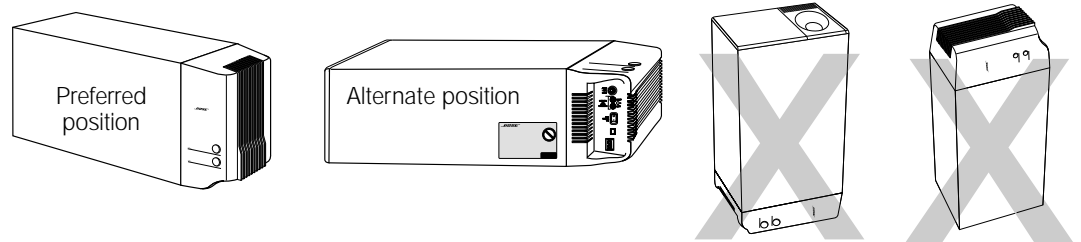
### Acoustimass® module location

Follow these guidelines to select a location for the Acoustimass module.

1. Place the module along the same wall as the speakers, if possible.
2. Select a convenient location – under a table, behind a sofa. Do not allow furniture or drapes to block the ventilation openings of the module.
3. Place the module within reach of the audio input cable, speaker cables, and an AC power (mains) outlet.
4. Select a position for the Acoustimass module (Figure 3). For proper ventilation, place it on the long edge, with the connectors facing the floor. An alternate position is on its largest side, with the bass and treble controls facing up. Do not place the module on either end, as shown by the last two views in Figure 3.

**Figure 3**

Acoustimass module positions



5. Once you have selected a position for the module, place the four self-adhesive rubber feet near the corners of the bottom surface. The rubber feet provide increased stability and protection from scratches.
6. Aim the port (the round opening) into the room or along the wall to avoid blocking the port or creating too much bass.
7. For best bass performance, do not place the port at equal distances from any two walls or from a wall and the ceiling.

### Before making connections, unplug your system

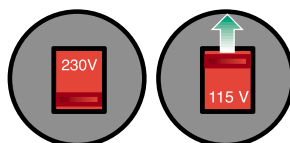
It is important that you unplug your Lifestyle® system or other music source **before** making any connections.


## Selecting the correct voltage


If you purchased a dual voltage product, please be sure that your speakers are set to the correct voltage for your geographical area. Use the adapter plug provided when appropriate.

**Figure 4**

Voltage selector switch settings



 **CAUTION:** Do not cover the ventilation openings of the Acoustimass module. The slots on the end provide ventilation for the built-in electronic circuitry, and should not be blocked.

 **Note:** To avoid interference with the TV picture, place the Acoustimass module at least 18 inches (45 cm) from a TV.

## Connect the speakers and the Acoustimass® module

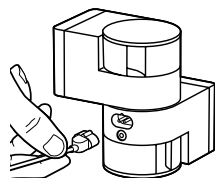
### Connecting the Acoustimass 20 Jewel Cube® speakers to the Acoustimass module

1. Insert the connector of each speaker cable fully into the jack on the rear of each speaker (Figure 5). Match the ridge of the connector to the notch at the top of the jack.
2. Connect each 20-foot (6.1 m) cable to the corresponding left or right green jack on the Acoustimass module. Speaker cables have green connectors at one end, with L (left) and R (right) molded into the connectors.

To extend the length of speaker cable, you will need a 30-foot extension cable. To order this part, please call Bose® customer service (request PN 186445-1 black; PN 186445-2 white). Or, splice in 18-gauge (.75 mm<sup>2</sup>) or thicker cord (connecting + to + and - to -). To purchase extension wire, see your dealer, electronics store, or call Bose customer service.

**Figure 5**

Speaker cable connections to the Jewel Cube speaker array



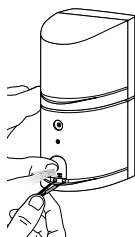
### Connecting the Acoustimass 5 cube speaker arrays to the Acoustimass module

Each speaker cable contains two wires. The wire marked with a red collar is positive (+) and the ribbed one is negative (-). These wires match the positive (red) and negative (black) terminals on the back of each speaker. To extend the length of speaker cable, you will need a 30-foot extension cable. To purchase this cable see dealer, electronics store, or call Bose customer service. To order this part from Bose, please call Bose customer service (request PN 186445-1 black; PN 186445-2 white). Or, splice in 18-gauge (.75 mm<sup>2</sup>) or thicker cord (connecting + to + and - to -).

1. Match the correct cable to the corresponding speaker location.
  - Speaker cables have blue connectors at one end, with L and R molded into the connectors.
  - The red collars on the + wire are labeled LEFT and RIGHT.
2. Connect the wire end of one speaker cable to the terminals on the rear of the matching cube speaker array.
  - a. Press the terminal tab on the back of the cube array to insert the marked wire into the red terminal and the plain wire into the black terminal. Release the tab to secure the wire.
  - b. Repeat this step for each of the cube speaker arrays (see Figure 6).
3. Connect each cable to the corresponding left or right blue jack on the Acoustimass module.

**Figure 6**

Speaker cable connections to the cube speaker array



**CAUTION:** Make sure no strands of wire from any terminal touch any other terminal. Bridged wires create short circuits that affect proper operation of your system.

## Which Lifestyle® system center do you own?

### Identifying multi-room interface systems

**Figure 7**

Front and rear of the multi-room interface and Personal® music center

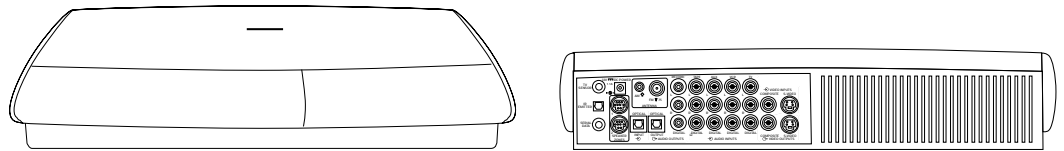


The multi-room interface allows you to connect up to four rooms or listening areas with additional speakers. These systems are operated using a Personal music center. **To connect additional speakers to a multi-room interface, see “Connecting the Acoustimass® module to multi-room interface systems” on page 9.**

### Identifying systems with the Lifestyle® media center

**Figure 8**

Front and rear of the Lifestyle® media center

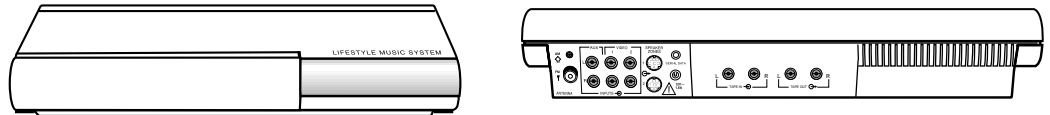


The Lifestyle® media center includes a single-disc DVD/CD player and two mini-DIN speaker output jacks labeled ZONE 1 and ZONE 2 on the rear panel. **To connect additional speakers to a Lifestyle® media center, see “Connecting the Acoustimass module to the Lifestyle® media center” on page 12.**

### Identifying systems with the Model 20 music center

**Figure 9**

Front and rear of the Model 20 music center

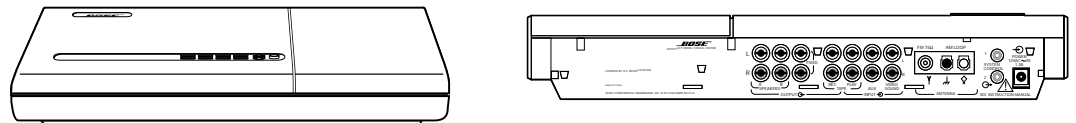


The Model 20 music center includes a six-disc CD player and two mini-DIN speaker output jacks, labeled ZONE 1 and ZONE 2, on the rear panel. **To connect additional speakers to a Model 20 music center, see “Connecting the Acoustimass module to the Model 20 music center” on page 14.**

### Identifying systems with the Model 5 music center

**Figure 10**

Front and rear of the Model 5 music center

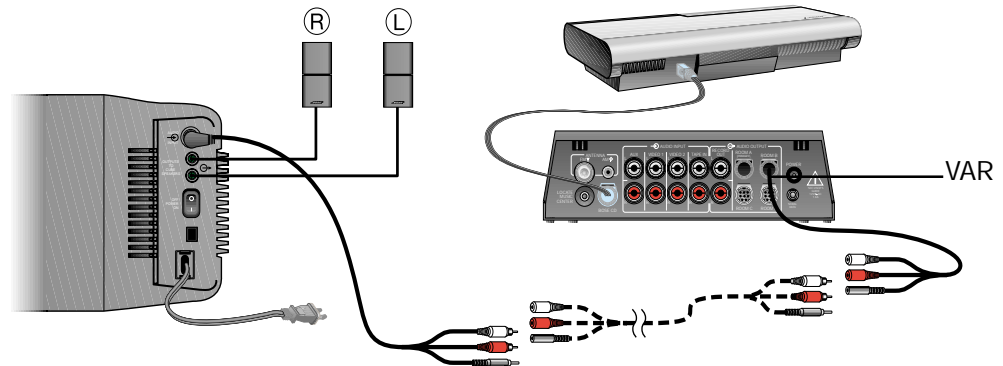


The Lifestyle® 5 music center includes a single-disc CD player and three RCA pairs of speaker output jacks, labeled A, B, and FIXED, on the rear panel. **To connect additional speakers to a Model 5 music center, see “Connecting the Acoustimass module to the Model 5 music center” on page 15.**

## Connecting the Acoustimass® module to multi-room interface systems

**Figure 11**

Connecting the speakers to your multi-room interface



**Note:** To extend the length of the cables, use the supplied 50-foot extension cable (shown in the dotted line above). This cable connects between the 30-foot audio input cable and the 3-foot VAR adapter cable.

To connect the Acoustimass 5 or 20 powered speakers to your system, follow these steps:

1. Using the supplied 30-foot audio input cable, insert the round DIN connector into the Acoustimass module, and the RCA plugs into the supplied 3-foot VAR adapter cable labeled VAR on the single-connector end.
2. Attach the single-connector end of the 3-foot VAR adapter cable to one of the unused ROOM output jacks (B, C, D) on the rear of the multi-room interface (Figure 11).

### Connecting power to your system

**CAUTION:** If you purchased a dual-voltage system, it is important that you set the speakers to the correct voltage. To do this, refer to "Selecting the correct voltage" on page 6.

Follow these steps to connect power to your Acoustimass powered speaker system:

1. Plug the power cord from the Acoustimass module into an AC power (mains) outlet.
2. Insert the power cord of the Lifestyle® system into an AC power (mains) outlet.
3. Turn the Acoustimass module power switch to the On position.

### Operating in more than one room

Your Lifestyle® system Personal® music center can control up to four sets of Bose® powered speakers, allowing your family to enjoy four different audio sources (CD, radio, TV, etc.) in up to four rooms. These rooms are referred to as room A, B, C, and D, with room A being the primary room (the one used for a one-room system). If two or more rooms are connected to your system, the Personal music center displays ROOM and HOUSE buttons, and room indicators (A, B, C, and/or D). Figure 12 shows a sample display for a two-room system.

**Note:** Do not plug the AC power pack into a power outlet until all component connections are complete.

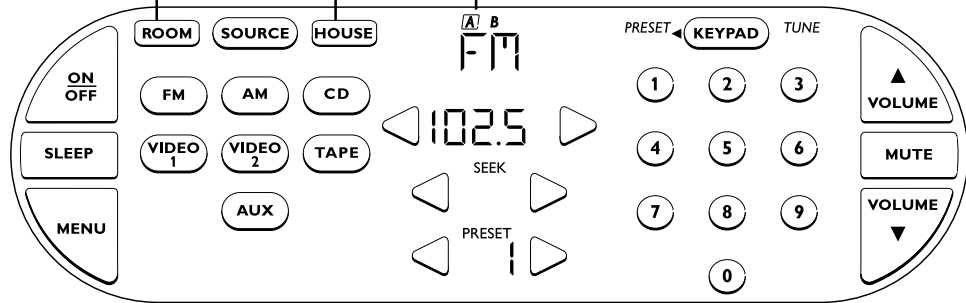
**Figure 12**

Example display for a two-room system

The ROOM button lets you control a single room, or two or more rooms that share a source

The HOUSE button lets you control all connected rooms as one

The room indicators tell you what was selected by the ROOM or HOUSE button



**A** A boxed letter indicated the presently-selected room or rooms.

B An unboxed letter indicates a room listening to a *shared source*.

□ An empty box appears for each connected room when you press the HOUSE button.

### Turning on different sources in more than one room

Let's say you have a two-room system (rooms A and B) and the entire system is off. To turn on a different source in each room:

1. Wake up the touchscreen.
2. Press the ROOM button until the room indicator **A** is displayed. Press a source button, such as VIDEO 1, to turn on the system and listen to your DVD player in room A. Adjust the volume to the desired level.
3. Press the ROOM button again. The room indicator **B** is displayed. Press a different source button, such as CD, to listen to a CD in room B. Again, adjust the volume to the desired level.
4. Press the ROOM button again and notice that the room indicator **A** is displayed. You are controlling room A once again and the display indicates that the VIDEO 1 source is on.


### Setting up a shared source

Now, let's say the system is already on and you want to play the FM radio in rooms A and B:

1. Wake up the touchscreen.
2. Press the ROOM button until the room indicator **A** is displayed. Press the FM source button and adjust the volume to the desired level for room A.
3. Press the ROOM button again to select room **B**. Press the FM source button and adjust the volume to the desired level for room B. Now, the indicators **A B** are displayed.
4. Press the ROOM button again. The indicators **A B** appear on the touchscreen indicating that you can control these two rooms together. Any button command given now (SOURCE, VOLUME, MUTE, ON/OFF, SLEEP) is applied to both rooms.

**Using the HOUSE button**

Using the HOUSE button, you can link all the rooms together and control them as one. When you press the HOUSE button, an empty box indicator is displayed for each connected room. Any button pressed after that (any source button, VOLUME, MUTE, or SLEEP) affects every room. When you are done listening you can press OFF to turn off the entire system.

 **Note:** *If you do not press any other buttons after pressing HOUSE, pressing HOUSE again cancels HOUSE mode.*

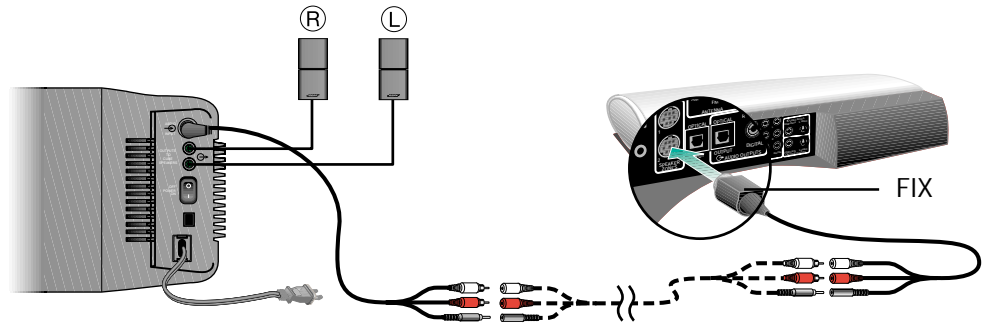
**Using more than one Personal<sup>®</sup> music center**

If you have a multi-room system, you can add Personal music centers for some or all of the connected rooms. Each multi-room interface can be controlled by a maximum of four Personal music centers. Each Personal music center can control up to four rooms.

## Connecting the Acoustimass® module to the Lifestyle® media center

**Figure 13**

Connecting the speakers to your Lifestyle® media center



**Note:** To extend the length of the cables, use the supplied 50-foot extension cable (shown in the dotted line above). This cable connects between the 30-foot audio input cable and the 3-foot FIX adapter cable.

To connect the Acoustimass 5 or 20 powered speakers to your system (Figure 13), follow these steps:

1. Using the supplied 30-foot audio input cable, insert the DIN connector into the Acoustimass module, and the RCA plugs into the supplied 3-foot adapter cable labeled FIX on the single-connector end.
2. Attach the end of the 3-foot FIX adapter cable to the ZONE 2 output jack on the rear of the Lifestyle® media center.

### Setting up the remote control

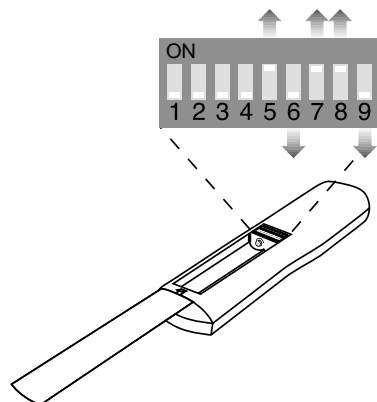
You need to set up a second remote control to operate the ZONE 2 output.

1. Remove the remote control battery cover and locate the miniature switches (Figure 14).
2. Make sure that the house code settings (switches 1, 2, 3, and 4) match those on your first remote.
3. Make sure switches 5, 7, and 8 are up, and 6 and 9 are down.

**Note:** Refer to your Lifestyle® system owner's guide for more information on operating your system in more than one room.

**Figure 14**

Setting up a Zone 2 remote control



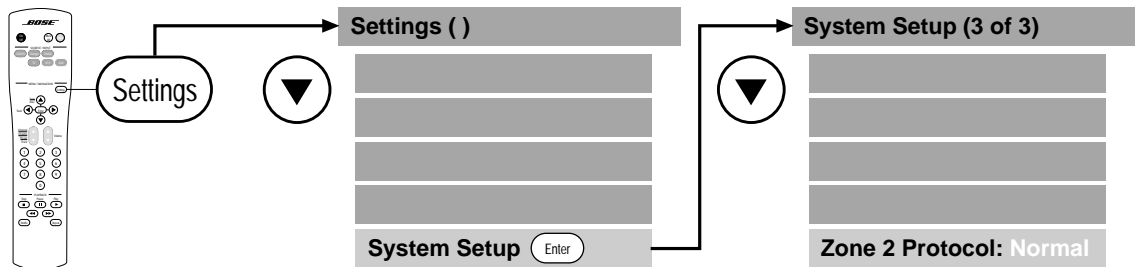
## Setting Zone 2 Protocol

For the Acoustimass® 5 or 20 powered speaker system to work properly with a Lifestyle® media center, you will need to check the Zone 2 Protocol to ensure that it is set to Normal mode (Figure 14 a).

1. While your Lifestyle® system is on, press the Settings button on your remote control. This will open the on-screen display.
2. Scroll down with the down-arrow button and select System Setup using the Enter button.
3. You will now see a menu entitled System Setup (1 of 3). Scroll down to "more...". Continue to scroll down through (2 of 3) to (3 of 3). The last item on System Setup (3 of 3) is Zone 2 Protocol.
4. If necessary, use the right-arrow button to set the protocol from Legacy to Normal.
5. If you changed the Zone 2 Protocol, shut off the system and turn it on again; this ensures that the Zone 2 Protocol is reset to Normal mode.

**Figure 14 a**

Setting Zone 2 Protocol



### Connecting power to your system

**CAUTION:** If you purchased a dual-voltage system, it is important that you set the speakers to the correct voltage. To do this, refer to "Selecting the correct voltage" on page 6.

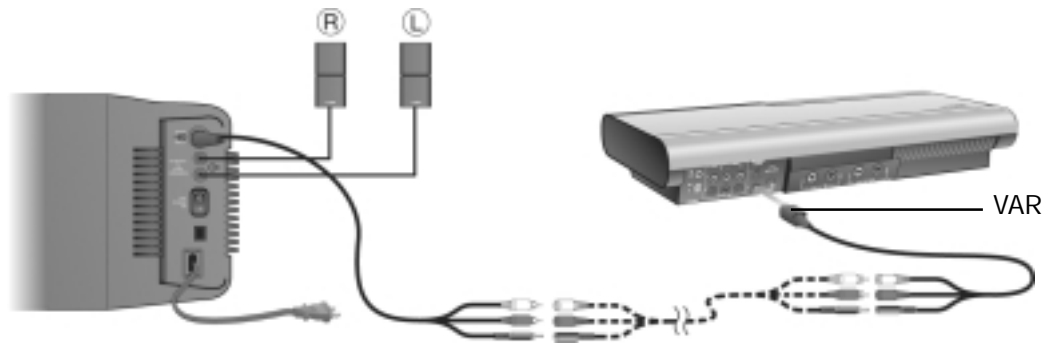
Follow these steps to connect power to your Acoustimass powered speaker system:

1. Plug the power cord from the Acoustimass module into an AC power (mains) outlet.
2. Insert the power cords of the Lifestyle® system into an AC power (mains) outlet.
3. Turn the Acoustimass module power switch to the On position.

## Connecting the Acoustimass® module to the Model 20 music center

**Figure 15**

Connecting the speakers to your Model 20 music center



**Note:** To extend the length of the cables, use the supplied 50-foot extension cable (shown in the dotted line above). This cable connects between the 30-foot audio input cable and the 3-foot VAR adapter cable (Figure 15).

To connect the Acoustimass 5 or 20 powered speakers to your system (Figure 15), follow these steps:

1. Using the supplied 30-foot audio input cable, insert the round DIN connector into the Acoustimass module, and the RCA plugs into the supplied 3-foot adapter cable labeled VAR on the single-connector end.
2. Attach the end of the 3-foot VAR adapter cable to the ZONE 2 output jack on the rear of the Model 20 music center.

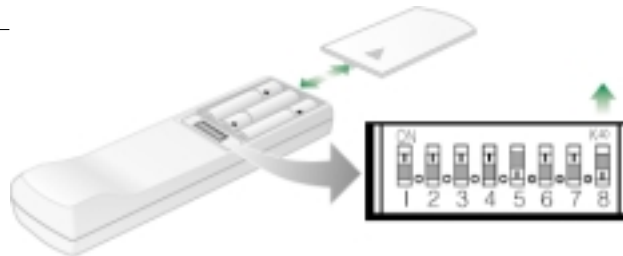
### Setting up the remote control

You need to set up a second remote control to operate the ZONE 2 outputs.

1. Remove the remote control battery cover and locate the miniature switches (Figure 16).
2. Make sure that the house code settings (switches 1, 2, 3, and 4) match those on your first remote.
3. Set switch 8 up for ZONE 2.

**Figure 16**

Setting up the remote control



### Connecting power to your system



**CAUTION:** If you purchased a dual-voltage system, it is important that you set the speakers to the correct voltage. To do this, refer to "Selecting the correct voltage" on page 6.

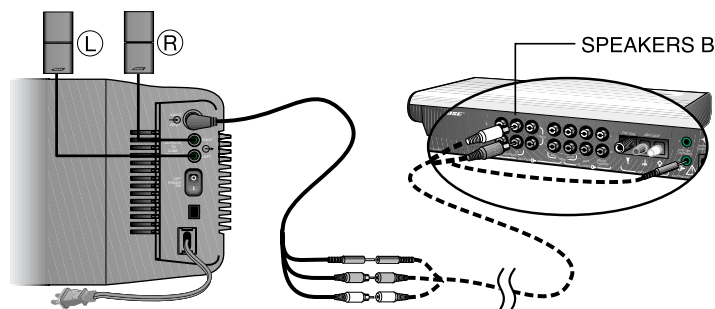
Follow these steps to connect power to your Acoustimass powered speaker system:

1. Plug the power cord from the Acoustimass module into an AC power (mains) outlet.
2. Insert the power cords of the Lifestyle® system into an AC power (mains) outlet.
3. Turn the Acoustimass module power switch to the On position.

## Connecting the Acoustimass® module to the Model 5 music center

**Figure 17**

Connecting the speakers to your Model 5 music center



♪ **Note:** To extend the length of the cables, use the supplied 50-foot extension cable (shown as the dotted line above). This cable connects between the 30-foot audio input cable and the music center.

To connect the Acoustimass 5 or 20 powered speakers to your system, refer to Figure 17 and follow these steps:

1. Using the supplied 30-foot audio input cable, insert the round DIN connector into the Acoustimass module.
2. At the other end of that cable, connect the RCA plugs to SPEAKERS B and the 3.5 stereo mini plug to SYSTEM CONTROL 2 on the music center.

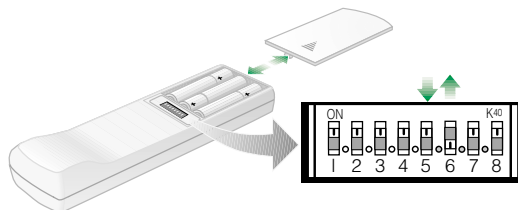
### Setting up the remote control

You need to set up a second remote control to operate the SPEAKERS B outputs.

1. Remove the remote control battery cover and locate the miniature switches (Figure 18).
2. Make sure that the house code settings (switches 1, 2, 3, 4) match those on your first remote.
3. Set switches 5 down and 6 up for SPEAKERS B.

**Figure 18**

Setting up the remote control



### Connecting power to your system

⚠ **CAUTION:** If you purchased a dual-voltage system, it is important that you set the speakers to the correct voltage. To do this, refer to "Selecting the correct voltage" on page 6.

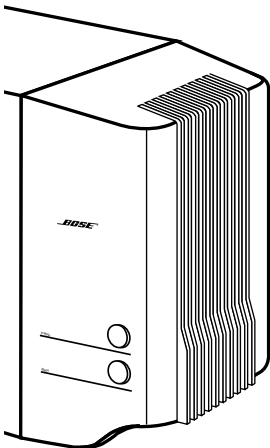
Follow these steps to connect power to your Acoustimass powered speaker system:

1. Plug the power cord from the Acoustimass module into an AC power (mains) outlet.
2. Insert the power cord of the Lifestyle® system into an AC power (mains) outlet.
3. Turn the Acoustimass module power switch to the On position.

### Fine-tuning your system

**Figure 19**

*Bass and treble controls*



In most situations, you only need to follow the speaker placement guidelines for your system to provide excellent sound quality.

You do not need to adjust tone settings for changes in volume, since Bose® patented signal processing technology provides a natural tonal balance over the full range of volume settings. If desired, you can further fine-tune your system as described below.

#### **Adjusting speaker controls**

The TREBLE and BASS controls are located on the Acoustimass® 5 and 20 music systems' Acoustimass module (Figure 19). They allow you to adjust the treble (high frequencies) and bass (low frequencies). In the normal setting, the dots on each control are in the 12-o'clock position. Turn the controls clockwise to increase and counterclockwise to decrease the amount of treble or bass.

#### **Compensating for room acoustics**

The acoustics (sound qualities) of your room can affect the overall sound quality of any speaker system. In general, you can reduce many problems with acoustics by the careful use of the TREBLE and BASS controls.

##### **Too much or too little treble**

Rooms with too few sound-absorbing furnishings, especially those with bare floors and walls, may sound overly shrill or "bright." Turning down the treble control (toward -) decreases treble sound.

Rooms with a lot of sound-absorbing furnishings, such as upholstered furniture, wall-to-wall carpet, or heavy drapes, may reduce the treble sound of your system. Moving speakers farther away from soft furnishings increases treble. You can increase treble sound by slightly turning up the treble control (toward +).

##### **Too much or too little bass**

You can decrease bass sound by turning down the bass control (toward -). To increase bass, turn up the bass control (toward +).

Acoustimass module placement affects the amount of bass you hear. Placing the module closer to the corner of the room will increase bass. Moving the module away from the corner will decrease bass.

## Troubleshooting

<b>Problem</b>	<b>What to do</b>
System does not function at all	<ul style="list-style-type: none"><li>• Make sure the power connector is plugged securely into the music center, the power cord is plugged securely into the Acoustimass® module, the power pack and power cord are plugged into operating AC wall outlets, and the module power switch is on.</li><li>• Be sure to select a source (CD, AM/FM, etc.).</li><li>• Unplug the music center power pack for a minute, then reconnect it. This allows the unit to reset itself after a power surge or power interruption.</li></ul>
No sound	<ul style="list-style-type: none"><li>• Turn the music center off for ten seconds, then on again, to re-establish communication between the music center and the speakers.</li><li>• Check the connections for any external components. Make sure to select the correct source for the desired input.</li><li>• Check the speaker connections.</li><li>• Be sure the CD is placed correctly, label-side up, in the music center, and the cover is closed.</li><li>• Increase the volume.</li><li>• Check to see if MUTE is lit in the display. Press MUTE on the remote to unmute the sound.</li><li>• Disconnect any headphones.</li><li>• Connect the FM and AM antennas.</li></ul>
Volume at maximum level and cannot be adjusted	<ul style="list-style-type: none"><li>• For Lifestyle® DVD systems, check Zone 2 Protocol in the System Settings menu. This must be set to Normal.</li></ul>
Hear only static	<ul style="list-style-type: none"><li>• For Lifestyle® DVD systems, check that the FIX adapter cable is plugged into the Zone 2 output. If it is not, replace VAR 3-foot adapter cable with FIX 3-foot adapter cable.</li></ul>

## Accessories

The following accessories are available to enhance the flexibility of your Bose® powered speaker system. Contact your Bose dealer or call Bose directly. Refer to the address list enclosed in the product packaging for correct phone numbers.


UB-20: High-quality cast zinc bracket for wall or ceiling mounting.

UFS-20: Slender metal floor stands, 37"H (93.98 cm), elegantly display cube speakers while hiding the speaker wires.

UTS-20: High-quality cast aluminum stands, 7"H (17.78 cm), for placement on a flat surface, like a bookshelf or table.

## Customer Service

For assistance, contact Bose customer service. Refer to the address list enclosed in the product packaging for correct phone numbers.

 **Note:** Your Acoustimass powered speaker system should be mounted only in the manner recommended by Bose. Consult the instructions supplied with the mounting accessories.

## **Technical Information**

### **Power rating**

USA/Canada: 120VAC, 50/60 Hz, 350W

Dual Voltage: 115/230VAC, 50/60 Hz, 350W

### **Dimensions**

Acoustimass® 5 powered speaker system:

Cube speakers: 3.1"W x 4"D x 6.2"H (7.8 x 10.2 x 15.8 cm)

Acoustimass module: 23.3"W x 7.5"D x 14"H (59 x 19 x 35.5 cm)

Acoustimass 20 powered speaker system:

Jewel Cube® speakers: 2.2"W x 3.2"D x 4.4"H (5.6 x 8.2 x 11.2 cm)

Acoustimass module: 23.3"W x 7.5"D x 14"H (59 x 19 x 35.5 cm)

### **Weight**

Acoustimass 5 powered speaker system:

Cube speakers: 2.4 lb (1.11 kg); Acoustimass module: 33 lb (15 kg)

Acoustimass 20 powered speaker system:

Jewel Cube® speakers: 1 lb (.5 kg); Acoustimass module: 33 lb (15 kg)

### **Finish**

Cube speakers: Polymer, painted

Acoustimass module: Vinyl veneer

## **Warranty period**

The Acoustimass 5 and 20 powered speaker systems are covered by the Bose® limited one-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 Corporation.

## **Cleaning the Acoustimass 5 or 20 powered speaker system**

Clean the surface of your speakers with a soft, damp cloth. Do not use any sprays near the system. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not allow liquids to spill into any openings.

The speaker grille panels require no special care, though you may vacuum them carefully with a soft-bristled attachment, if necessary.



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