

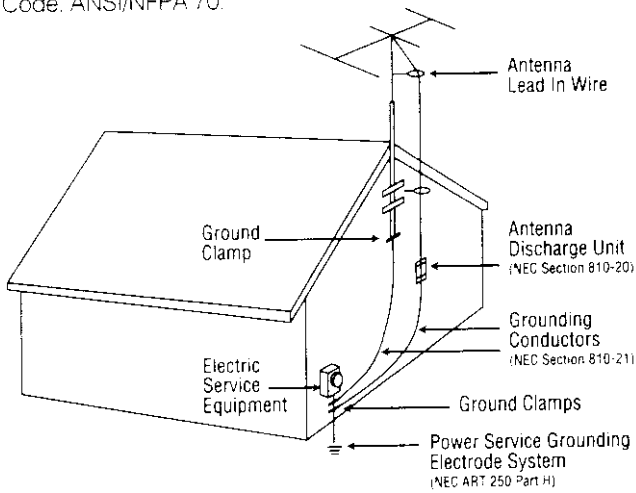
## EXHIBIT 7

### **7.0 *Instruction Manual***

Attached is copy of a one page insert (front and back) that will be included with the product. Please note that the required FCC label is on the insert. A draft instruction manual for the device follows. It is for the Lifestyle 50 System including the Personal Music Center and Multi-room Interface.

## 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.

## 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.*

# Important Safety Instructions

- 1. Read, Follow, and Save All Instructions** – Read the complete safety and operating instructions for all components before using this product. Follow all instructions. Save the instructions for future reference.
- 2. Pay Attention to Warnings** – Observe all warnings on the product and in the owner's guide.
- 3. Do Not Use 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 is present.
- 4. Be Careful with Accessories** – Mount the product to a wall or ceiling only as recommended by Bose Corporation. Do not put this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a person or damage to the product. For advice on use of a particular cart, stand, tripod, bracket, or table, contact Bose Corporation.  

If you must move your product and cart combination, do so very carefully. Quick stops, excessive force, and uneven surfaces may cause it to overturn.
- 5. Attachments** – Do not use attachments not recommended by Bose Corporation as they may cause hazards.
- 6. Maintain Proper Ventilation** – 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.
- 7. Avoid Excessive Heat** – Do not put the product near heat sources such as radiators, stoves, or other appliances (including amplifiers) that produce heat.
- 8. Use Proper Power Sources** – Plug the product into a proper power source, as described in the operating instructions or as marked on the product.
- 9. Do Not Change the Plug** – If the product has a polarized alternating current line plug with one blade wider than the other, such plugs fit into the power outlet only one way as a safety feature. If you have trouble inserting it, try reversing the plug. If the product has a three-wire grounding plug with a third (grounding) pin, this plug will only fit into a grounding-type outlet. If the plug does not fit, your outlet may be obsolete and needs to be replaced. Contact an electrician. Do not change plugs to defeat safety features.
- 10. Protect the Power Cord** – Route all power supply (mains) cords so that they are not likely to be walked on or pinched. Pay particular attention to cords at plugs, at outlets on the product, and at the point where the cord connects to the product.
- 11. Avoid Overloading** – To prevent the risk of fire or electric shock, do not overload wall outlets, extension cords, or integral convenience receptacles.



- 12. 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.
- 13. 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 the back of this page.
- 14. Take Precautions against Lightning and Power Line Surges** – To prevent damage to this product during a lightning storm, or if the product will not be used for an extended period of time, unplug its power cord from the wall outlet and disconnect the antenna or cable system.
- 15. Do Not Let Objects or Liquids Enter the Product** – Take care to prevent objects from falling and liquids from spilling into the product, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
- 16. Clean the Product Carefully** – Clean the product only as directed by Bose Corporation. Unplug this product from the wall outlet before cleaning.
- 17. Obtain Service When It Is Indicated** – The product should be serviced only by authorized service personnel when:
  - A.** the power supply cord or the plug has been damaged, or
  - B.** objects have fallen or liquid has spilled into the product, or
  - C.** the product has been exposed to rain or water, or
  - D.** the product does not appear to operate normally or exhibits a marked change in performance, or
  - E.** the product has been dropped or the cabinet damaged
- 18. Obtain Authorized Service and Parts** – Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. All servicing should be provided by authorized service personnel only. After any service or repairs, ask the technician to perform safety checks to determine that the product is in proper working condition. Be sure that any replacement parts used have the same characteristics as the original part or have been specified by Bose Corporation. Unauthorized substitutions may cause fire, electric shock, or other hazards.

**The Bose® Lifestyle® 50 System**

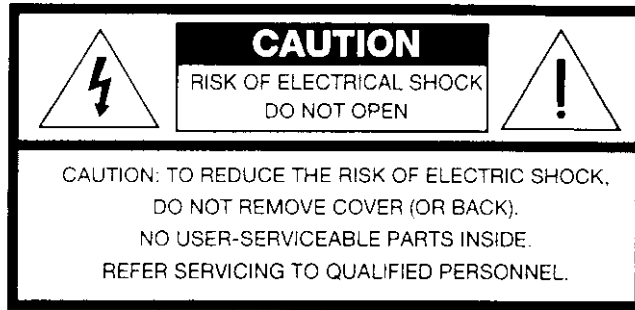
Owner's Guide

**BOSE**

**Home Evaluation Owner's Guide**

**CB30 7/24/98 draft**

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



These CAUTION marks are located on the bottoms of your Lifestyle® personal music center, Acoustimass® module, Multi-room interface, and CD changer:



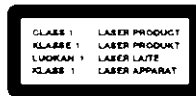
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the system enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



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.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, insert fully.

**Class 1 laser product**



This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the bottom of the unit.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.

**Class B emissions limits**

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

**Batteries**

Please dispose of used batteries properly, following any local regulations. Do not incinerate.

**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 system properly, and enjoy all of its advanced features. Save your owner's guide for future reference.

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**For your records**

Serial numbers are located on the bottom panels of the personal music center, multi-room interface, CD changer, and the Acoustimass® module.

Personal music center serial number: \_\_\_\_\_

Multi-room interface serial number: \_\_\_\_\_

CD changer serial number: \_\_\_\_\_

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

Thank you for purchasing the Bose® Lifestyle® 50 system. Years of research bring you this complete audio home entertainment system – the most compact and elegant system available today from Bose. Technological innovations that make the Lifestyle® 50 system unique include the Bose personal music center, designed to operate in the palm of your hand, and tiny Jewel Cube® speakers, so small they virtually disappear into their surroundings.

The personal music center is a clear departure from convention – it has no cables. Since the system operates in your hand, you are free to operate your system as you move about your house. Communicating through its two-way radio frequency link, the personal music center keeps you informed of your audio system status, while facilitating full control of its operations from wherever you may be in your home.

Bose Jewel Cube® speakers are also far from the conventional. Proprietary Bose technologies insure that these tiny speakers not only fill a room with sound, but also reproduce sound more accurately than traditionally designed loudspeakers.

The other elements of the Lifestyle® 50 system are designed to be hidden from view:

- The Bose Lifestyle® CD changer, designed to give you flexibility in where it is placed
- The hide-away powered Acoustimass® module
- The Bose multi-room interface, including a built-in AM/FM tuner, inputs for two video sources, an auxiliary source, and tape deck, and with four independent audio outputs allowing you to send audio throughout your home

In 1994, Bose developed the original Videostage® decoder to reproduce the surround-sound realism of movies in the home environment. Today, your Lifestyle® 50 system uses digital signal processing to bring even greater realism and impact to both movies and music recordings. Built-in Dolby Digital® (AC-3) decoding delivers up to 5.1 discrete audio channels from DVD, digital TV, next-generation cable boxes and satellite receivers. For all analog formats, as well as for two-channel PCM and Dolby Digital bitstreams, this latest Videostage decoder helps to deliver the sound of the movies, right in your own home.

Your Lifestyle® 50 system is. . .

- Fully compatible with Dolby Digital and two-channel PCM digital-audio sources such as DVD, digital TV, and digital cable boxes and satellite receivers.
- Fully compatible with two-channel "matrix-encoded" surround-sound sources such as VCRs, stereo TVs, cable boxes and satellite receivers.  
*Videostage decoding directs stereo information to the surround channels, so the sound of stereo broadcasts and rented or recorded tapes can approach that of your DVD discs.*
- Fully compatible with stereo music program material from TV, FM, CD, and cassette.  
*Videostage decoding delivers five great-sounding channels, even when the original contained only two.*
- Fully compatible with mono program material.  
*Only Videostage decoding processes a one-channel program and directs five-channel sound to five independent speakers. Dialogue remains locked on-screen, while music and ambient effects fill the room.*

These, and numerous other innovations, bring you the Lifestyle® 50 system, offering superb sound, elegance, technology, and simplicity for music and home theater.

Please take the time to follow this owner's guide carefully. It will help you set up and operate your Lifestyle® system, and enjoy all of its advanced features. Save your owner's guide for future reference.

\* Dolby, Dolby Digital, and the symbols  DIGITAL,  DIGITAL AUDIO, and  are trademarks of Dolby Laboratories Licensing Corporation.

## Unpacking the carton

Carefully unpack your system. Save all packing materials for possible future use. The original packing materials provide the safest way to transport your Lifestyle<sup>®</sup> 50 system. If any part of the product appears damaged, do not attempt to use the system. Notify Bose<sup>®</sup> or your authorized Bose dealer immediately.

Check to be sure your Lifestyle<sup>®</sup> 50 system contains the parts identified in Figure 1.

**Note:** Find the serial numbers on the bottom panels of the personal music center, multi-room interface, CD changer, and Acoustimass<sup>™</sup> module. Then write them on your warranty card and in the spaces provided on page 3.

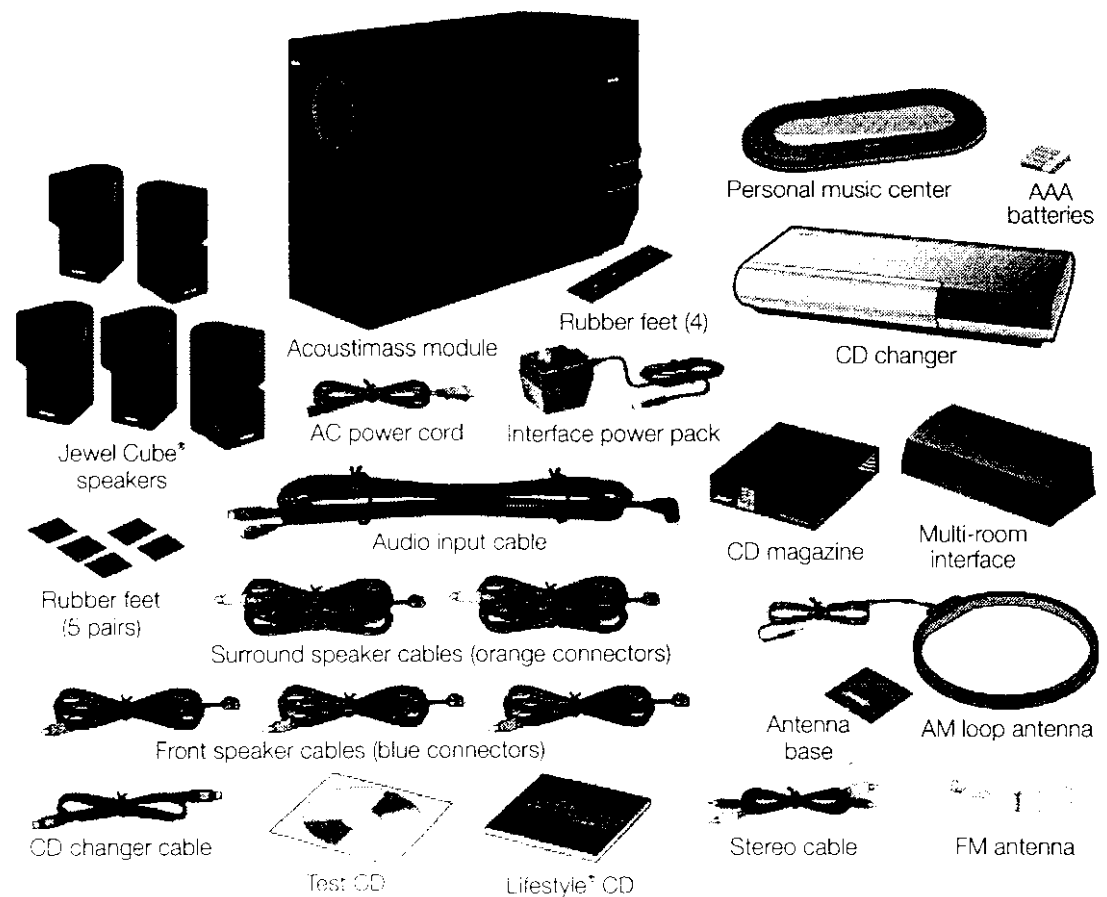
**WARNING:** The Acoustimass module weighs 33 pounds (15 kg). Use good lifting practice to avoid injury.

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

**Figure 1**

What comes with your Lifestyle<sup>®</sup> 50 system:

- Personal music center
- CD changer
- Multi-room interface
- Interface power pack\*
- 5 Jewel Cube speakers
- 5 speaker cables (2 surround and 3 front)
- Acoustimass module
- AC power (mains) cord\*
- 14 self-adhesive rubber feet (4 for the module and 5 pairs for the Jewel Cube speakers)
- Audio input cable
- CD changer cable
- Stereo cable
- 4 AAA batteries
- FM antenna
- AM antenna and base
- CD magazine
- Lifestyle<sup>®</sup> CD and Test CD



\* Power cord and pack shown above are USA/Canada versions. Dual voltage systems include 1 power cord, 1 adapter, and 2 power packs. The power cords and packs for Europe, UK/Singapore, and Australia are shown below.






## Selecting the locations for your Lifestyle® 50 system

When you place your speakers according to the guidelines below, a combination of reflected and direct sound provides the audio atmosphere of a home theater. You may experiment with the placement and orientation of the Jewel Cube® speakers and Acoustimass® module to produce sound most pleasing to you. For the best surround effect, adjust the speakers so you cannot identify the exact sound source. It is preferable not to aim the cubes directly at the listener. For more discussion of speaker placement and room acoustics, see "Fine-tuning your system" on page 34.

### **Jewel Cube speaker locations**

Follow these guidelines to select locations that provide the maximum home theater effect from your Lifestyle® 50 system (Figures 2 and 3). Place each of the Jewel Cube speakers 6-12 inches (15-30 cm) from the surface behind them.

 **CAUTION:** Choose a stable and level surface for your Jewel Cube speakers. Vibration can cause the speakers to move, particularly on very smooth surfaces. For stability, peel off the backing from the rubber feet and center them in the matching shapes on the bottom of each speaker.


### **Left and right front speakers**

The sound from the left and right front speakers should seem to appear at the edge of the picture, so that the acoustic image is close to the size of the visual image (Figure 2).

1. Place them on line with the horizontal center of the TV screen.
2. Place each speaker up to 3 feet (1 m) from the edge of the TV screen.

We recommend a maximum distance of 3 feet (1 m) so that the sound does not become too separated from the picture. You may wish to vary this distance based on room conditions and personal preference. The front cables allow the cube speakers to be placed up to 20 feet (6.1 m) from the Acoustimass module.

3. Direct one cube of each speaker toward the center of the room (Figure 2). Direct the other cube toward a side wall to create reflected sound. (See the illustration of suggested reflected sound patterns in Figure 3.)

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

**Center speaker**

The sound from the center speaker should appear to come directly from the center of the picture (Figure 2). The center cable allows the center speaker to be placed up to 20 feet (6.1 m) from the Acoustimass module.

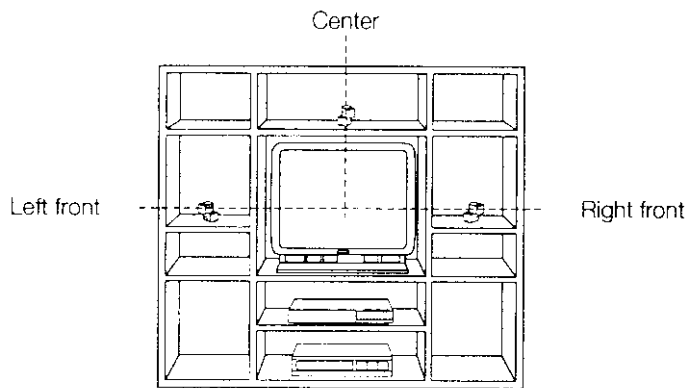
♪ **Note:** Do not place the speaker on its side, as this diminishes performance by blocking the Jewel Cube ports.

1. Place the speaker on line with the vertical center of the screen, above or below (whichever is closer to the screen), or the closest convenient location.
2. Place the speaker in line with the front of the screen (not pushed to the back of the TV).
3. Direct each of the cubes slightly away from center, to create a wider area of direct sound (Figure 3).

♪ **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.

**Figure 2**

Recommended front speaker locations

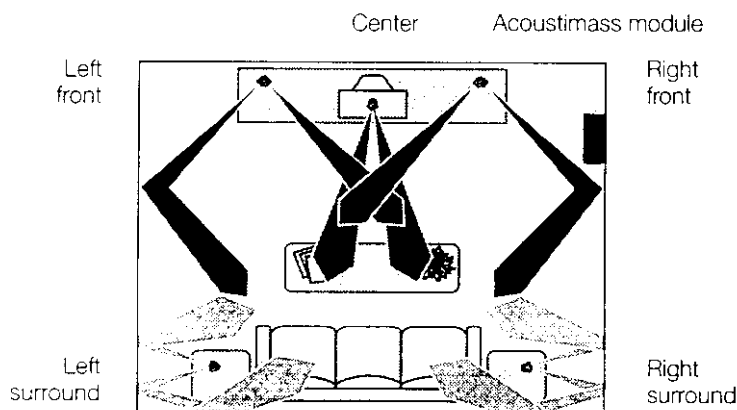


**Surround speakers**

The surround (rear) speakers create an area of sound around the listener. Place them in the back half of your room. Direct the cubes so that you do not pinpoint the exact location of the sound source (Figure 3). The surround cables allow the speakers to be placed up to 50 feet (15.2 m) from the Acoustimass<sup>®</sup> module.

**Figure 3**

Speaker placement



1. Place the speakers at ear height or higher, if possible.
2. Direct the cubes to reflect sound off one or more surfaces.
3. Do not direct the sound straight at the listener.

## Acoustimass® module

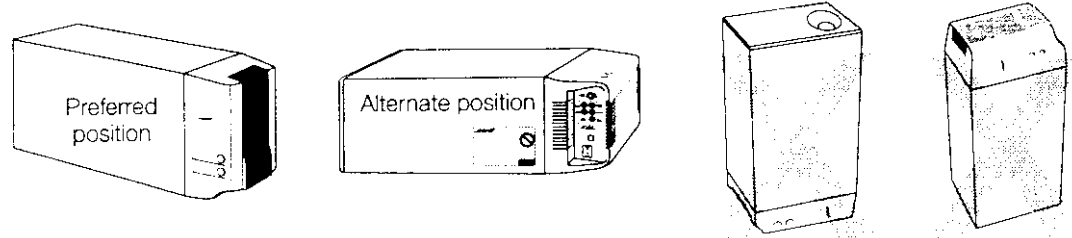
Follow these guidelines to select a location for the Acoustimass module.

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

1. Place the Acoustimass module along the same the wall as the TV, or close to the same end of the room as the front speakers (see the example along the front wall in Figure 3).
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 Acoustimass 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 4). 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 4.

**Figure 4**

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.

⚠ **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.

## CD changer

Select a convenient location for the CD changer.

⚠ **CAUTION:** Be sure the three shipping screws on the bottom of the CD changer have been removed before proceeding.

1. Place the CD changer on a level surface. Allow enough room to lift the door.
2. Place the CD changer close enough to the multi-room interface to allow for cable length of 6 feet (2 m).

## Multi-room interface

Select a location for the multi-room interface. You can place it in an out-of-sight location.

1. Place the multi-room interface within 30 feet (9.1 m) of the Acoustimass module (the length of the audio input cable).
2. Place the multi-room interface close enough to the sound sources (TV, VCR, DVD, etc.) to allow for cable length. If you need additional audio and/or video cables to connect all of your components, see your dealer or call Bose® Product Support.

## Connecting your system

Once you have selected locations for your speakers, CD changer, and interface, connect the system.

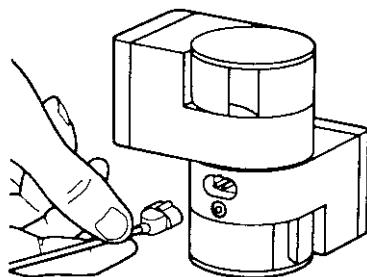
**⚠ CAUTION:** Make sure all components are unplugged from the power outlet before you begin hooking up the system.

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

1. Match each cable to the corresponding speaker location.
  - Front speaker cables have blue RCA connectors at one end, with L, R, or C molded into both the RCA connectors and the Jewel Cube connectors at the other end.
  - Surround speaker cables have orange RCA connectors at one end, with L or R molded into both the RCA connectors and the Jewel Cube connectors at the other end.
2. Insert the Jewel Cube connector of each cable fully into the jack on the rear of one of the five speakers (Figure 5). Match the ridge of the connector to the notch at the top of the jack.
3. Connect each cable to the corresponding jack on the Acoustimass module.
  - a. Plug the blue connectors into the matching left front, center, and right front jacks.
  - b. Plug the orange connectors into the matching left surround and right surround jacks.

To lengthen the cable, connect speaker wire with male phono (RCA) plugs on each end to your supplied speaker cable. Use a female-to-female adapter ("barrel" connector). 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 connection to the Jewel Cube speaker



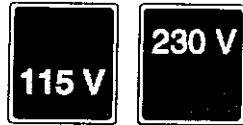


### Connecting the Acoustimass® module power (mains) cord

1. On a dual voltage system, the voltage selector switch is preset at the factory to be correct for your area. Check to be sure it is set for the proper voltage (Figure 7). Use 115V for North America; 230V for Europe and Australia. In Europe, use the adapter plug provided. If you are in doubt, contact your local electric utility for the appropriate voltage setting.

**Figure 7**

Dual voltage Acoustimass module: voltage selector switch settings



**CAUTION:** Make sure the voltage selector switch is set correctly.

2. Plug the small end of the power (mains) cord into the Acoustimass module AC power jack.



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

### Connecting the multi-room interface power pack

The multi-room interface comes with either a 100V, 120V, 230V, or 240V power pack. See Figures 1 and 8. Dual voltage models include both the PS71 and PS72 power packs.

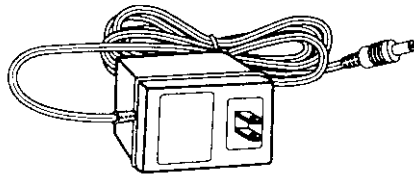


**CAUTION:** Be sure to use the correct Bose® power pack for your area. Using the wrong one may damage your power pack or your system.

- Model PS71, 120V in North America
- Model PS72, 230V in Europe
- Model PS73, 100V in Japan
- Model PS74, 230V in UK or Singapore
- Model PS77, 240V in Australia

**Figure 8**

The AC power pack (model PS71 shown)



1. Firmly insert the small connector on the end of the power pack cable into the AC power jack on the back of the multi-room interface.
2. Make sure that the power pack reaches an AC (mains) outlet.



**Note:** Do **not** plug the power pack into a power outlet you complete all connections.

## Connecting your home theater components to the Lifestyle<sup>®</sup> 50 system

There are many variations of equipment in a home theater. A basic home theater system might include a stereo or mono TV and stereo VCR with the Lifestyle<sup>®</sup> 50 system. Your home theater can include many other combinations of equipment, including cable TV, laserdisc players, CDI players, additional VCRs, and digital devices such as DVD players, digital TVs, satellite receivers, and some cable boxes.

♪ **Note:** A mono TV only serves as a display for the video, not as a source for the audio.

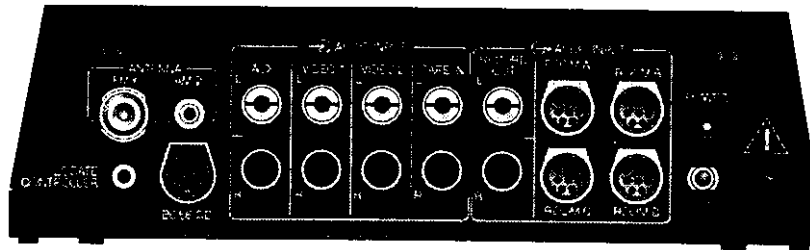
In order for the Lifestyle<sup>®</sup> 50 system to provide home theater effects, the program material must be in stereo or surround-encoded, and the device playing the material must be stereo. Look for the word "surround" on the tape, CD, or preceding the TV broadcast. To hear stereo or surround sound from encoded video tapes, you must have a stereo (HiFi) VCR.

♪ **Note:** Line level outputs from most VCRs or laserdisc players are fixed. If your VCR, laserdisc player, or other video sound source has fixed and variable outputs, use the fixed outputs.

### Setting up the primary video sound source

The Lifestyle<sup>®</sup> 50 system has two sets of video sound inputs (Figure 9) for your non-digital sources. Connect your digital signal directly to the female RCA jack on the audio input cable. Connect the analog signal output from your digital sound source to the AUX inputs. If your Lifestyle<sup>®</sup> system receives a valid digital signal (such as Dolby Digital or AC-3), this digital sound is used. If no digital signal is received, then your system selects the backup analog signal being sent to AUX, which is then processed by the Videostage<sup>®</sup> decoder for excellent home theater sound.

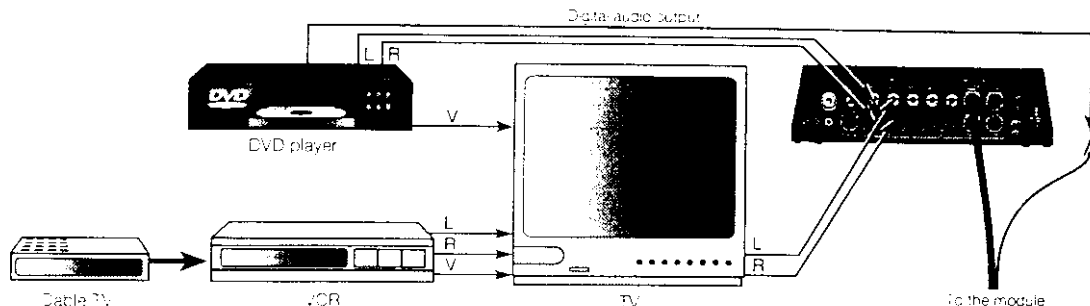
**Figure 9**  
Multi-room interface connectors



♪ **Note:** Your Lifestyle<sup>®</sup> 50 system includes one 6-foot (1.8 m) stereo cable to connect the right (R) and left (L) audio outputs from a component to the multi-room interface inputs. Cables may also be supplied with your components. If needed, audio cables are available at many electronics stores, or call Bose<sup>®</sup>. Most audio cables are color coded. Match red connectors to right (R) jacks and black or white connectors to left (L) jacks.

There are three basic methods for setting up your home theater. It is easiest to use a stereo TV as the switching center to select the sound source. The next easiest option is to use a stereo VCR as the switching center. The third option is to connect components directly to the Lifestyle<sup>®</sup> 50 multi-room interface, and select the source from the Lifestyle<sup>®</sup> 50 remote or control panel. In each example, the analog outputs from the DVD player (or other digital device) are connected to the AUX inputs. You may need extra long audio cables or extensions for some of these connections.

**Figure 10**  
Connecting components through your TV

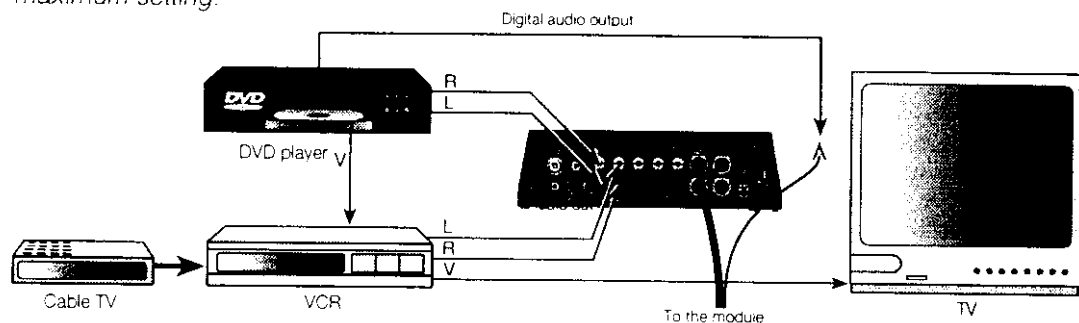


**(1) To direct your video sound sources through your TV**

If your stereo TV has fixed audio outputs (the audio signal level doesn't change), and it allows you to select the source of the signal (VCR, DVD, cable, etc.):

- Connect your DVD player L and R outputs to the AUX inputs of the interface.
- Connect the digital output from your DVD player to the female RCA connection on the audio input cable using a male-to-male RCA cable.
- Connect your home theater components (VCR, cable box, etc.) to the appropriate TV inputs. (See Figure 10.)
- Connect the fixed audio outputs to the VIDEO 1 INPUTs of the interface.
- Turn the TV speakers off or the volume all the way down. (If there is an internal/external speakers switch, select external speakers. Do not connect any speakers to the TV.)
- Turn off any special TV settings such as expanded stereo, mega-bass, phantom, SAP. These settings prevent the proper processing of the surround sound through your Lifestyle system.
- Set the TV balance control to the center of the dial or range.
- Set tone controls to flat or the middle position (neutral).
- Set TV to the stereo position.

**Note:** If necessary, as a second choice, you can use variable audio outputs from your stereo TV. Turn off or disconnect the TV's speakers and leave the volume control up – close to the maximum setting.

**(2) To direct your video sound sources through your VCR**

If your TV is not a stereo model, or does not have the appropriate outputs, connect your stereo VCR to the multi-room interface. Use the VCR as a tuner and to select other connected sound sources. (See Figure 11.)

- Connect your DVD player L and R outputs to the AUX inputs of the interface.
- Connect the digital output from your DVD player to the female RCA connection on the audio input cable using a male-to-male RCA cable.
- Connect your home theater components to the appropriate VCR inputs.
- Connect the VCR video signal to the TV through VIDEO IN or composite video input. You can also use the RF or antenna input.
- Turn the TV speakers off or the volume all the way down. (If there is an internal/external speakers switch, select external speakers. Do not connect any speakers to the TV.)
- Connect the VCR fixed audio outputs to the VIDEO 1 INPUTs of the multi-room interface.

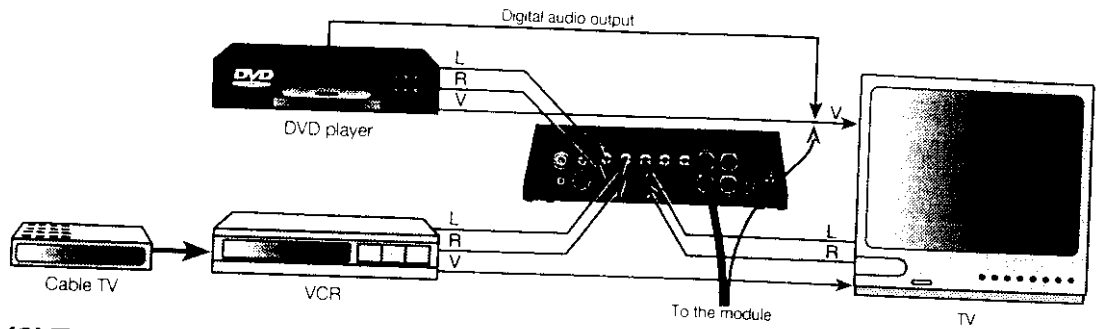
**Note:** To ensure proper stereo or surround sound, connect the L and R audio outputs from your stereo VCR directly to your interface L and R VIDEO 1 inputs, as shown in Figure 11. If you prefer to connect the audio outputs from your TV to the multi-room interface, be sure to use the L and R audio outputs from the VCR to the TV, instead of using coaxial cable. If the audio signal passes through two coaxial cable connections (like the connection from a cable TV box), in some cases the stereo or surround encoding may be lost.

**Figure 11**  
Connecting components  
through your VCR



**Figure 12**

Connecting components to the Lifestyle® 50 system inputs



### (3) To connect components directly to the Lifestyle® 50 system

If you cannot (or do not choose to) use your TV or VCR to select the sound sources, connect up to three sound sources directly to the Lifestyle® 50 system. For example, connect the analog outputs of your DVD player into AUX, the TV's fixed outputs to VIDEO 1, and the VCR to VIDEO 2 on the back of your multi-room interface. (See Figure 12.) Connect the digital output from your DVD player to the female RCA connection on the audio input cable using a male-to-male RCA cable.

If a valid digital signal is transmitted to the Lifestyle® 50 system, the system plays that audio source. If you are not listening to a digital sound source, select between VIDEO 1 or 2, or AUX for the most pleasing sound quality for each particular program.

♪ **Note:** The system plays in 5 speaker mode unless you have previously selected 3 speaker or 2 speaker mode for that room and that source. If you wish, you can change the speaker mode after you select the source.

### About the video source

Your TV is the display for the video (picture) signal. Therefore, the video signal must be connected directly to the TV. The video signal should not be connected to the Lifestyle® 50 system.

♪ **Note:** For assistance with video connections, see your video components manuals.

♪ **Note:** There is no video signal input (usually a yellow-coded jack) on the multi-room interface. The VIDEO INPUT jacks are for audio from a video source.

## Other connections

Use standard RCA audio cables to connect other components to your Lifestyle® system's multi-room interface, matching the red connector to R (right), white (or black) connector to L (left).

You can use a Y-adapter (available at electronics stores) to connect a mono source. However, the left and right speakers then play the same monaural sound.

### Tape deck

To use an external tape recorder (analog audio cassette, analog open reel, digital audio tape, or Digital Compact Cassette), connect the inputs (REC) of the tape deck to the interface RECORD OUT jacks. Connect the outputs (PLAY) from the tape deck to the interface TAPE IN jacks. See Figure 13.

### CD changer or laserdisc player

To use one of these components, connect its audio outputs to the multi-room interface VIDEO 1, VIDEO 2, or AUX (if not used for a digital source) jacks, matching the red plug to R (right) and black or white plug to L (left). See Figure 13.

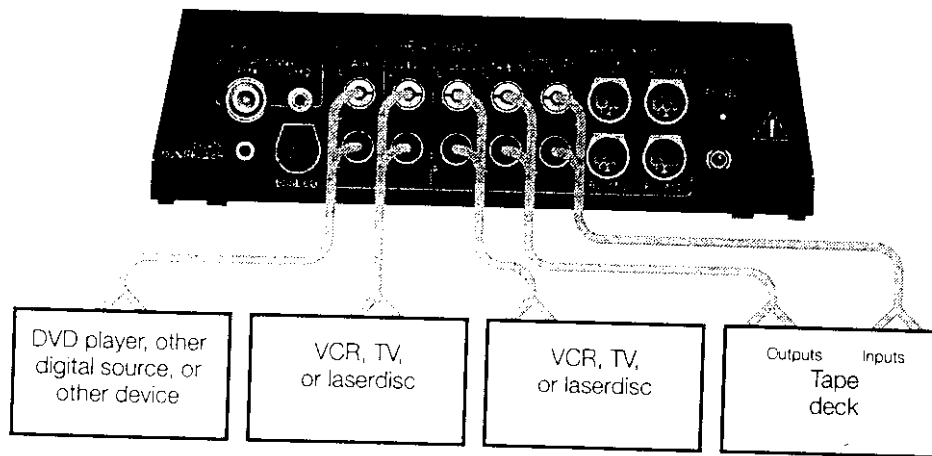
### Turntable

To connect a turntable, you need a phono preamplifier (with RIAA equalization). Consult your dealer for the appropriate model. Connect the audio outputs of the phono preamplifier to the interface VIDEO 1, VIDEO 2, or AUX (if not used for a digital source) jacks, matching the red plug to R (right) and black or white plug to L (left).

🎵 **Note:** The Lifestyle® 50 system cannot turn a connected component on or off.

**Figure 13**

Connecting other components

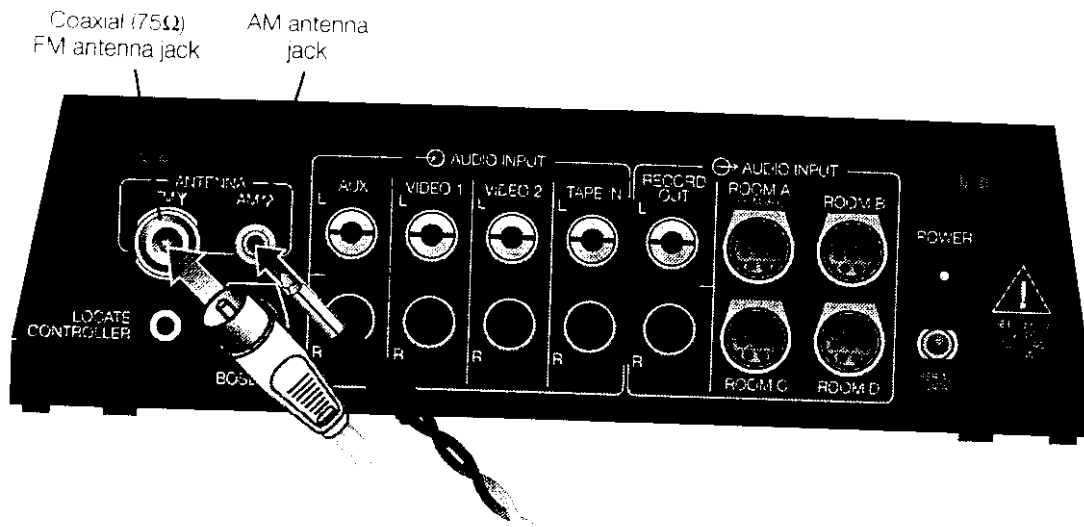


## Connecting the antennas

The rear panel of your multi-room interface provides connections for the supplied AM and FM antennas (Figure 14). Unwind each antenna. Antennas provide better reception when their wires are not bundled.

**Figure 14**

The antenna connections



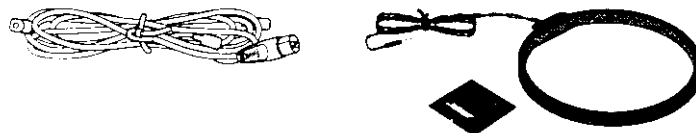
### FM antenna connections

1. Plug the FM antenna connector into the FM ANTENNA jack on the back of the interface.
2. Spread out the antenna arms. Experiment with both the placement and the angle of this antenna to provide optimum FM reception.

**Note:** A central antenna or cable, or an outdoor FM antenna, may be used with the music center antenna connections. To install an outdoor antenna, consult a qualified installer. Follow all safety instructions.

**Figure 15**

The FM dipole antenna and AM loop antenna



### AM antenna connections

- Note:** To install the AM antenna on a wall, follow the instructions enclosed with the antenna.
1. Plug the AM antenna microplug into the AM ANTENNA jack on the interface.
  2. Stand the loop antenna on the base, following the instructions enclosed with the antenna.
  3. Move the loop part of the antenna at least 20 inches (50 cm) from the interface. Experiment with the orientation of the loop for optimum AM reception.

### Connecting to a cable radio signal

To connect your system to the FM signal available from some cable TV companies, contact your cable provider for assistance. The connection is made to the FM 75Ω EXTERNAL antenna connector on the back of the interface.

**CAUTION:** Be certain that the installation includes a signal splitter so that only the FM band, not the cable TV band, is transmitted to the system. It is necessary to use a splitter that filters the signal to prevent any re-emissions of the TV spectrum through the system.

## Connecting power to your Lifestyle® 50 system

Plug the Acoustimass® module power cord into an AC power (mains) outlet. Then plug in the multi-room interface power pack.

- ♪ **Note:** Your speakers will not operate unless you complete all cable and power connections before turning on the system.
- ⚠ **CAUTION:** Be sure the three shipping screws on the bottom of the CD changer have been removed before turning on the system.

## Setting up the personal music center

Set up the personal music center after the rest of the system is connected and plugged in.

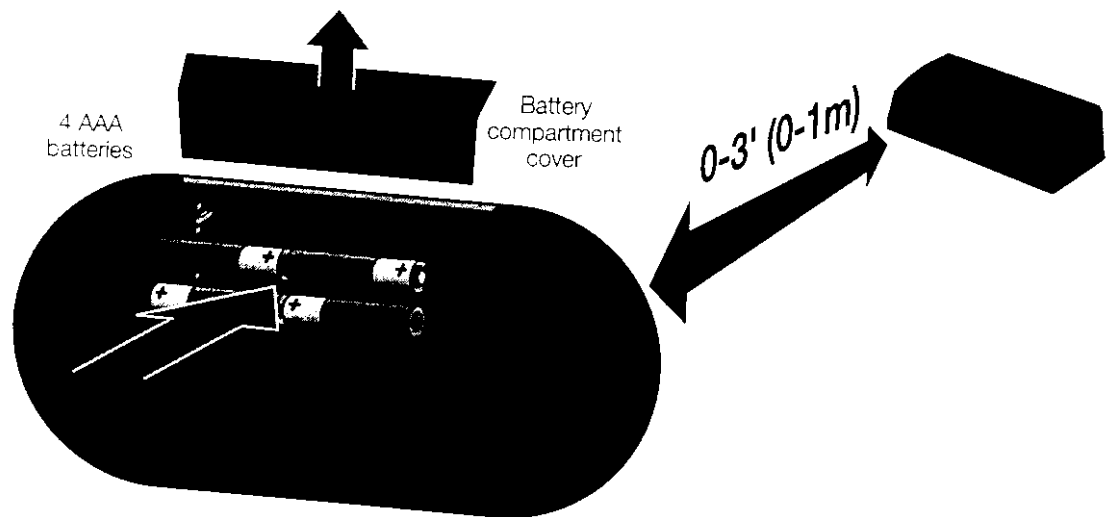
- ♪ **Note:** Install the batteries in the personal music center holding the center within 3 feet (1 m) of the multi-room interface so that when the personal music center is first turned on it registers its unique code with your Lifestyle® 50 system.

1. Slide open the battery compartment on the back of the personal music center (Figure 17).
2. Insert 4 AAA or IEC-R03 1.5V batteries, or the equivalent, as shown. Match the + and – symbols on the batteries with the + and – markings inside the compartment.
3. Slide the battery compartment cover back into place.

Replace the batteries when the LOW BATTERY message first appears (see page 39). Alkaline batteries are recommended.

**Figure 16**

Installing the personal music center batteries



4. Turn the personal music center over. Keep the center within 3 feet (1 m) of the multi-room interface until you have turned it on for the first time.
5. Touch the screen to wake it up (if it appears blank). Press ON/OFF or FM (or any other source button) to turn the system on.

## Turn on your Lifestyle® 50 system

You are ready to enjoy your new Lifestyle® system. Your personal music center places complete control of the system operations in your hands. The center is portable, communicating with the rest of the system through a two-way radio link. The display is backlit for easy viewing, and provides visual feedback of current system operations and the available options. To allow for maximum battery life, the touchscreen display and backlight turn off a short time after your last screen press. You only need to touch the screen to wake up the music center.

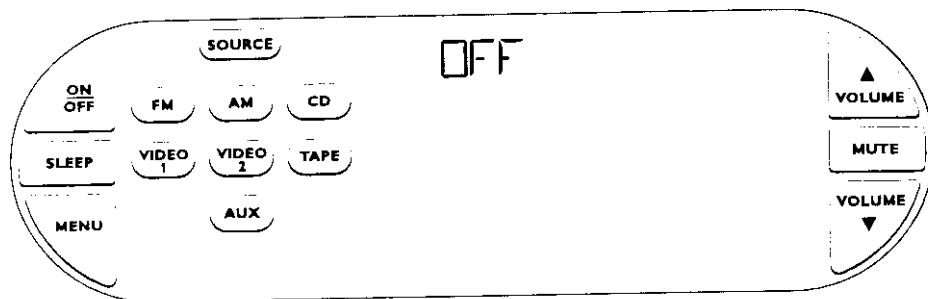
- To learn more about the display, and its buttons and menus, see page 20.
- To listen to the radio, follow the instructions beginning on page 22.
- To play compact discs, follow the instructions beginning on page 25. To verify your system setup, listen to the instructions on the Test CD.
- To listen to home theater sound, follow the instructions beginning on page 31.
- To use other components with your Lifestyle® system, see page 33.
- To use your system in multiple rooms, see "Operating more than one room" beginning on page 37.

### Turning the system on

- Touch the personal music center screen to wake up the display.

**Figure 17**

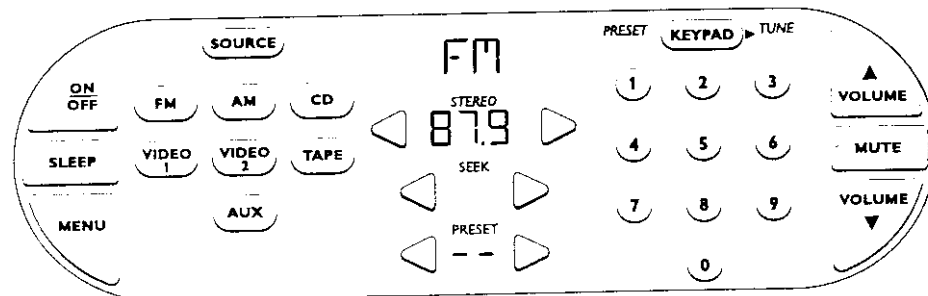
The initial wakeup display



- Press ON/OFF to turn the system on to the last source used. Or, press a SOURCE button (FM, AM, CD, VIDEO 1, VIDEO 2, TAPE, AUX) to select and turn on that source.

**Figure 18**

The initial startup display



### Turning the system off

- Press the ON/OFF button.

### Adjusting the volume

- Touch the VOLUME ▲ (up) or ▼ (down) button to raise or lower the volume.
- Volume settings range from 0 to 100. Volume settings are displayed while being adjusted.
- If the volume was above 80 when the system was turned off, it will turn on at 80 (to prevent surprising you with an extremely high volume).

**Muting your system**

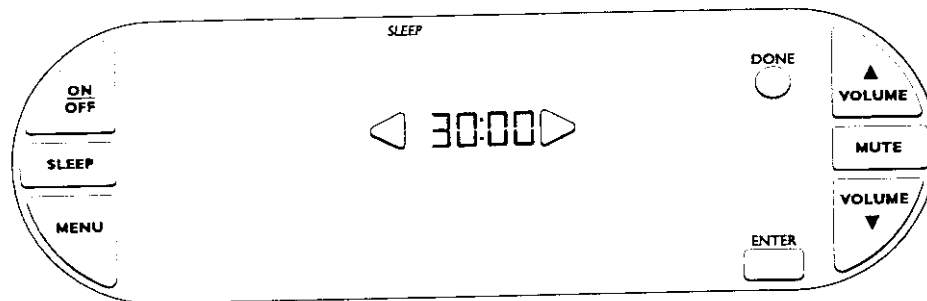
- Press the MUTE button to silence the system. MUTE flashes on the display when the system is muted.
- Press MUTE again or VOLUME ▲ to restore volume to the muted speakers.

**Using the sleep timer**

- Press the SLEEP button to activate the timer for automatic shutoff.
- The display flashes a sleep time of 30 minutes or the most recent sleep time selected. Use the arrow buttons to increase or decrease the time within a range of 1 to 99 minutes.
- Press ENTER to accept the time selected and start the timer.
- The CLEAR button appears. Press CLEAR to stop the timer.

**Figure 19**

*The initial wakeup display*



While the sleep timer is running, the SLEEP indicator is displayed on the screen above the source indicator.

- Press SLEEP again to view the time remaining.
- Press DONE to exit from the SLEEP display.
- Or, press CLEAR to cancel the timer.

The selected SLEEP time is remembered by the system. The next time SLEEP is selected, the last time used is shown.

## Using the personal music center

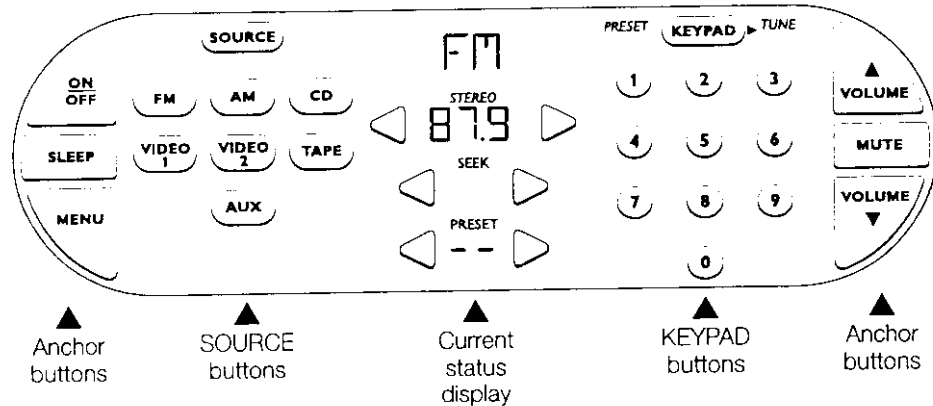
The personal music center display provides information on the system functions. The display offers different combinations of buttons to provide control of the function you are using. Sometimes an item on the display will flash to provide information about a system function. At other times an item may flash faster to alert you to a needed action.

### Using the anchor buttons

The anchor buttons (ON/OFF, SLEEP, VOLUME, and MUTE) are located at the left and right ends of the screen. They are displayed during most operations, and are available for use except in limited system states (for example, MUTE and SLEEP do not function when the system is off).

**Figure 20**

The display showing the anchor buttons, SOURCE buttons, and KEYPAD buttons



### Using the SOURCE buttons

The seven source buttons provide direct access to the three built-in sources (FM, AM, CD) and up to four external components connected to the system. The Lifestyle® system can select an external component and adjust the volume, but it cannot turn a connected component on or off.

Use the SOURCE button to show or hide the seven individual source buttons.

### Using the KEYPAD buttons

The numeric buttons provide direct access to features of the three built-in sources (FM, AM, CD). The arrow to the left or right of the KEYPAD button indicates whether you are using the keypad for presets or tuning (in FM or AM mode), or selecting disc or track (in CD mode).

Use the KEYPAD button to show or hide the individual keypad buttons.

### Using the current status display

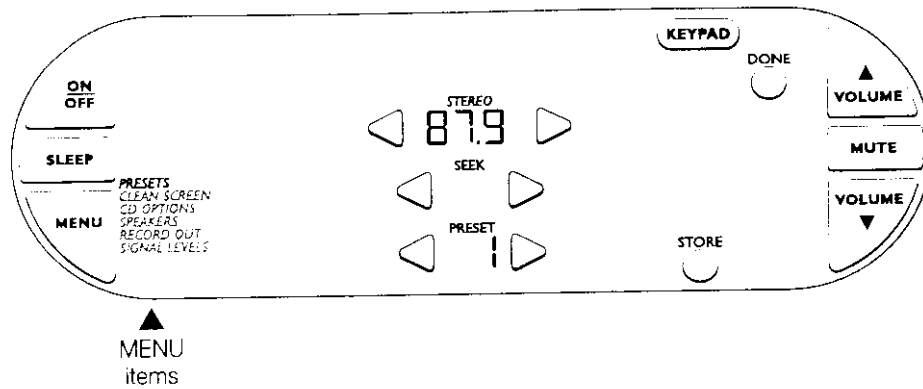
The center of the screen displays information about the current status of the system. The top of the status area indicates which source is selected or if the power is off. The next three lines allow for setting tuner or CD functions, using the arrow buttons to adjust the settings up or down. The center area also includes indication of CD modes such as RANDOM and REPEAT, or if the SLEEP function is on.

### Using the MENU items

The menu items are selected by pressing the MENU button to step through the menu list until the function you want is displayed. Menu items are available in the list if they are applicable to the current state of the system. You can exit from any menu item by pressing DONE or ON/OFF or pressing MENU until you return to the main screen.

**Figure 21**

Selecting MENU items - one at a time



#### PRESETS

You can preset a maximum of 25 FM and 25 AM radio stations. In addition to using the PRESETS menu, you can set presets directly from the KEYPAD buttons. For further discussion of presets, see pages 23-24.

#### CLEAN SCREEN

Select this option when you need to wipe the touchscreen to clean off fingerprints, etc. You can access this function almost anytime. CLEAN SCREEN allows you 20 seconds to clean the touchscreen without affecting the system operations. For further discussion of cleaning the screen, see page 40.

#### CD OPTIONS

Select this option when you are using any source to create and edit a CD play list. If you are in CD mode, you can also select random and repeat modes. For further discussion of CD options, see pages 28-30.

#### SPEAKERS

Use this option to select the number of speakers you want to listen to, and adjust surround and center speaker levels. For further discussion of speaker options, see page 32.

#### RECORD OUT

Select this option to define which source is directed to the RECORD OUT line out jacks, allowing you listen to one source while recording another. Once setup, this source remains set for line out until another source is selected. There is always one source directed to line out. For further discussion of RECORD OUT, see page 33.

#### SIGNAL LEVELS

This setting allows you to adjust the signal level of sources that are not built-in to the system (VIDEO 1, VIDEO 2, AUX, TAPE). For example, use SIGNAL LEVELS to adjust the gain level of an external source so that volume level 50 on this source sounds as loud as 50 from a built-in source. SIGNAL LEVELS also displays the relative received strength of the tuner. For further discussion of SIGNAL LEVELS, see page 35.



## Listening to the radio

Your Lifestyle® system has a built-in AM/FM radio.

### Turning the system on and choosing the radio

Press FM or AM to turn your system on to the most recently selected FM or AM station. If the system is already on, use the FM or AM button to select either of these sources.

### Set radio channel spacing on dual voltage systems - replace info

Dual voltage systems (the multi-room interface includes both 120V and 230V power packs) can be set for two types of AM and FM channel spacing.

- 10 kHz for AM and 200 kHz for FM (common to North America)
- 9 kHz for AM and 50 kHz for FM (common to Europe)

Your dual voltage system is preset for North American spacing. Select the channel spacing most appropriate for your area.

To change between North American (US) and European (EU) channel spacing:

1. Press and hold down the SOURCE button for three seconds.
2. Press either arrow button next to **lcd** until the word **turnr** (tuner) is shown.
3. Use the arrow buttons to change between US and EU.
4. Press DONE when you have selected the correct channel spacing.

## Tuning

### Selecting FM or AM

Press the FM or AM button to turn on the radio band desired. Select a station by tuning manually, seeking a strong station, or selecting a preset station.

### Manual tuning

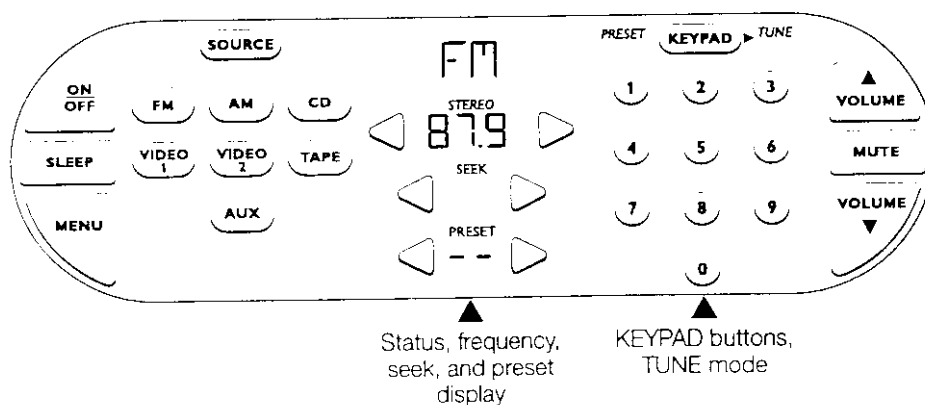
To manually tune a radio station, press the arrow button on either side of the frequency display to change the frequency in small steps. See Figure 22.

Or, press the KEYPAD button until the arrow points toward TUNE (Figure 22). Then use the number buttons to enter the frequency of the station you want to tune.

🎵 **Note:** When enough numbers are entered, the system selects that station or the closest valid station.

**Figure 22**

Tuning the radio



## Seeking the strongest stations

Press either SEEK arrow to tune to the next strong station.

## Selecting a preset station

Use either arrow button to select a preset location. Or, press the KEYPAD button until the arrow points toward PRESET.

Then use the number buttons to enter the preset number you want. If you use any preset numbers higher than 9, enter 0 (zero) before 1 through 9 to get a faster response.

🎵 **Note:** If you have not selected a valid preset location, the system remains at the current setting.

## Setting a station preset

Your Lifestyle® system can store up to 25 FM and 25 AM stations.

After you select a radio station you want to store as a preset, either by tuning manually or by seeking, you can use the KEYPAD, the preset number area, or the PRESET MENU to store the preset.

## Using the KEYPAD

You can quick-store presets in locations 1 through 9. Hold down any button from 1 to 9 until the system beeps and the new preset number is shown. The frequency display briefly flashes and then displays the station selected. The system beeps, and the new preset number is shown.

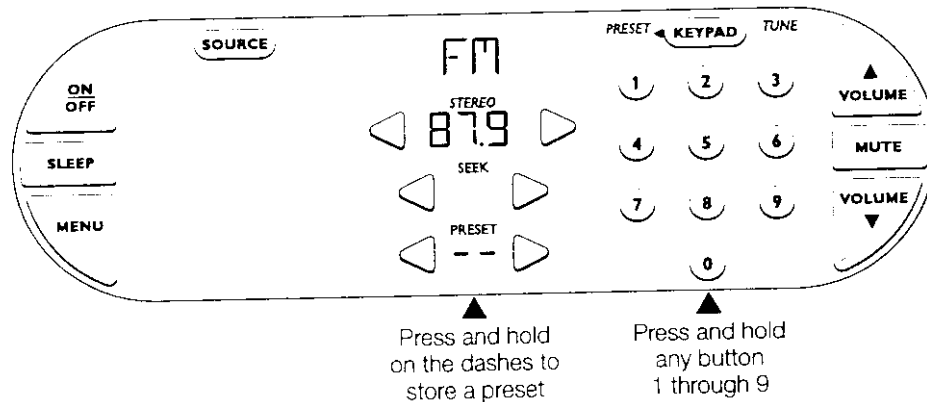
## Using the preset number display

You can quick-store a station from the PRESET display. Press and hold down in the center of the PRESET area (where a preset number or dashes are displayed) until the system beeps. The frequency briefly flashes and reappears. The system beeps, and the new preset number is shown. The system stores the frequency in the lowest available preset number.

If you pressed on dashes, you have stored a new station. If you pressed on a preset number, the station is stored in an additional location.

**Figure 23**

Setting presets using the preset number display



## Using the PRESETS MENU

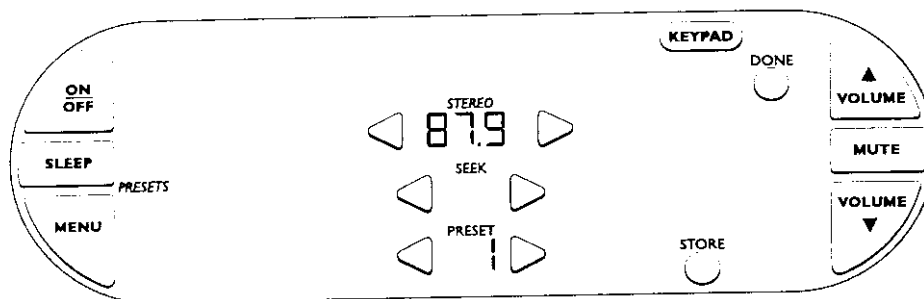
You can use the PRESETS MENU to set presets. PRESETS is only available in the MENU list when the system is in tuner mode (FM or AM is selected).

Press the MENU button until PRESETS is displayed.

If a number is flashing in the PRESET display (indicating that this station has not been preset), press STORE to save the current station in that preset location. Or, select a different station using the arrow buttons, SEEK, or the keypad, and then press STORE.

**Figure 24**

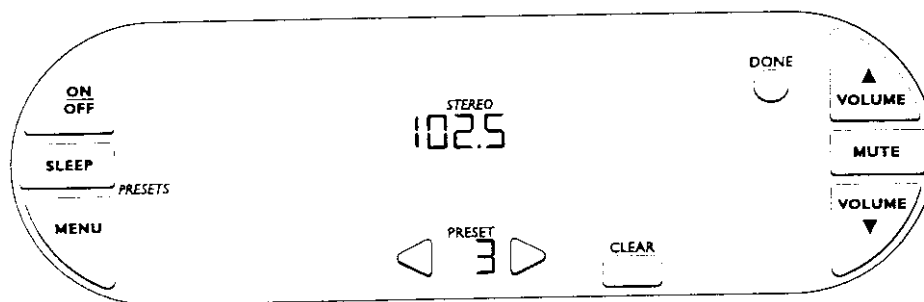
Selecting a station to store



To continue, use the PRESET arrows to select the number of any preset location. Press the arrows until you display the number you want. Select the station you want to preset. Then press STORE.

**Figure 25**

After storing a station as preset 3



Using the PRESETS MENU allows you to do additional preset management, making it easier to organize your preset stations, and store a specific station in a specific preset location.

- ♪ **Note:** To allow for different station preferences, you can reserve a group of preset numbers for each household member. Any station can be assigned to more than one preset number. Or, you can reserve different number groups for different types of stations. For easy reference, you may want to keep a written record of your presets.

### Erasing a preset station

To erase a preset station, use the PRESETS MENU. Select the frequency or preset number you want to erase. Press CLEAR. The preset number changes to dashes.

In addition, to erase a preset station in locations 1 through 9, you can use quick-store from the KEYPAD to replace the previous selection with a new station.

- ♪ **Note:** When all 25 FM or 25 AM preset locations are filled, and you hold down the area between the preset arrow buttons to quick-store a preset or press STORE using the PRESETS MENU, the display shows FULL in the frequency field. Use the PRESETS MENU to erase a preset to make room for a new one.

## Listening to compact discs

### Using the CD changer

You can load up to six compact discs at a time.

#### Loading discs into the CD magazine

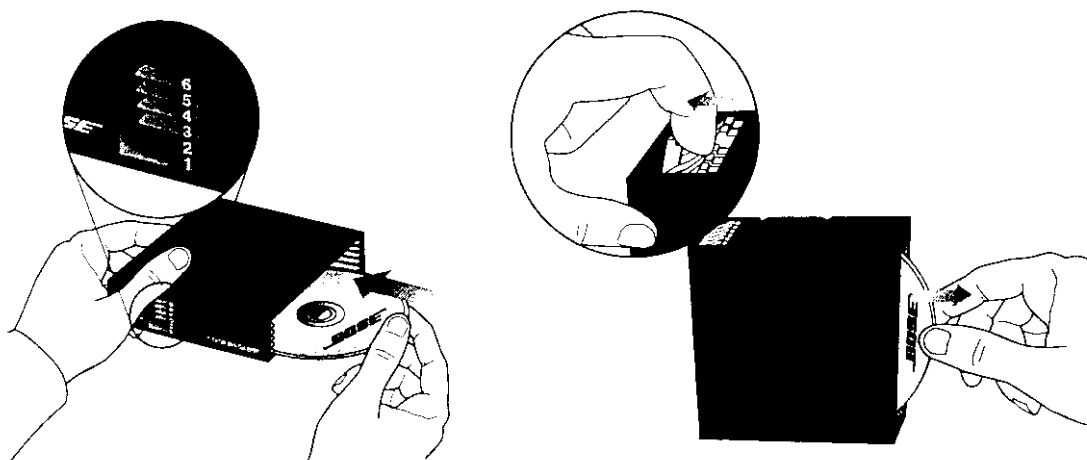
Hold the magazine, looking at the side with the arrow. Insert up to six discs, label side up (Figure 26). Take care to place only one disc in each slot. Note the slot numbers 1 through 6, from bottom to top, on the front edge window. These numbers correspond to the CD numbers on the display.

**CAUTION:** Do not insert more than one disc into any slot. Forcing two discs into one slot could cause them to become stuck, and could damage the discs, the CD magazine, or the CD changer.

**Note:** If a disc is upside-down, it does not play. The display flashes the disc number.

**Figure 26**

Loading and ejecting a CD



#### Ejecting discs from the CD magazine

Press the white lever that corresponds to the disc you want to eject. This ejects the disc far enough for you to grasp the edge and remove it from the magazine (Figure 26).

#### Loading the CD magazine into the CD changer

Open the CD changer door. Insert the CD magazine fully into the CD changer, following the direction of the arrow on the magazine (Figure 27).

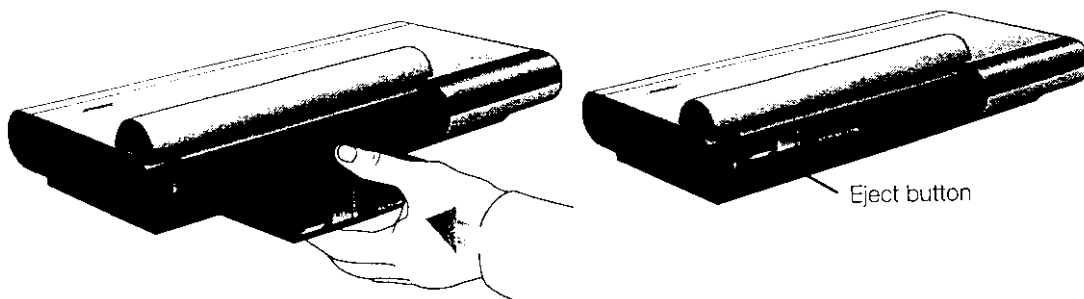
#### Ejecting the CD magazine from the CD changer

Press the EJECT button, at the lower left of the magazine slot, to remove the magazine (Figure 27).

If a CD is playing, pressing the EJECT button stops the CD, replaces it in the magazine, and ejects the magazine.

**Figure 27**

Loading and unloading the CD magazine



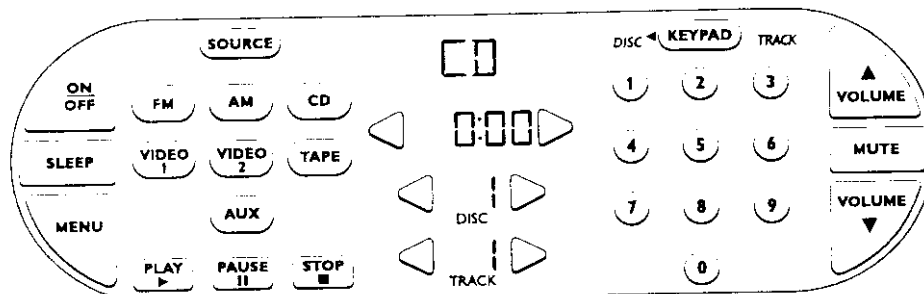
## Turning the system on and choosing the CD player

Press the CD button to turn the system on and select the CD player. If the system is already on, use the CD button to select the CD player. **CD** appears in the source display area. If a CD has been loaded, it begins to play.

The CD display provides information in three main areas, each with left and right arrow buttons: track time, disc number, and track number.

**Figure 28**

The CD display



## CD operations

<i>If you want to</i>	<i>Press</i>
Play or resume play of a CD	PLAY ► (and ► flashes)
Pause a CD Pause changes to stop after 10 minutes.	PAUSE    (and    flashes)
Unpause a CD	PAUSE   , PLAY ►, STOP ■, CD, or OFF
Stop a CD	STOP ■
Go to next track Skipping to the next track wraps from the last track back to the first of the current disc. You can skip tracks while paused.	TRACK display - right arrow button
Go to beginning of current track	TRACK display - left arrow button
Go to previous track In RANDOM mode, skips to previous track played. Skipping back from the first track wraps to the last track of the current disc.	TRACK display - left arrow button twice
Play another disc In PLAY mode, selects the next or previous disc; in RANDOM mode, randomly selects another disc. The CD changer skips empty disc slots.	DISC display - left or right arrow button
Scan a CD Scanning up or down stops at the ends of the disc. You can scan a CD while paused.	TIME display - press and hold left or right arrow button

**Note:** To prevent excessive wear on the CD mechanism, unattended CD play or random play operations change to STOP after 24 hours. To leave music playing unattended for longer than 24 hours, you can use the radio.

The personal music center display provides the following information about the CD changer functions (Figure 28):

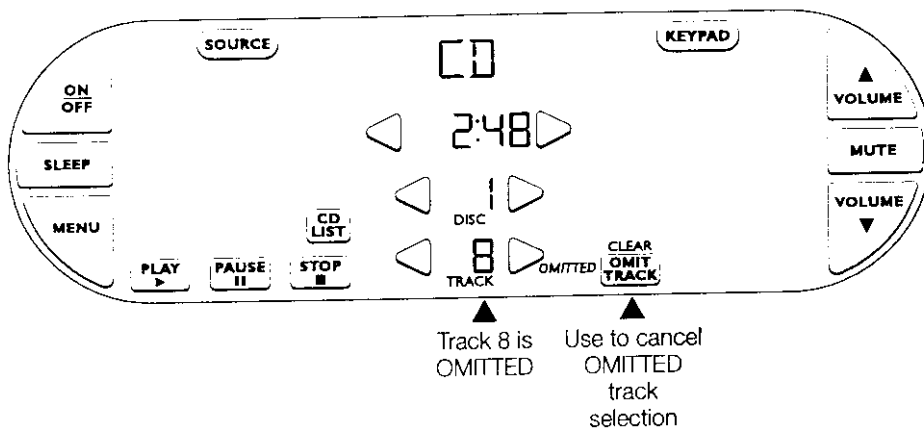
- Which CD is playing, paused, or stopped, or **noCd** if no disc is installed
- How much time the current CD track has played
- Which track is playing
- Flashes **CHANGING** when system is changing tracks or discs
- If random or repeat modes are selected

To prevent a track from playing, press the OMIT TRACK button. The track is skipped and is not played during normal, random, and repeat play.

- There is a maximum of 32 omitted tracks.
- Using the TRACK arrow buttons allows you to skip to all tracks, including omitted tracks. Omitted tracks are indicated by OMITTED next to the right TRACK arrow.
- When an omitted track is selected, press CLEAR OMIT TRACK to change the track from OMITTED to INCLUDED.

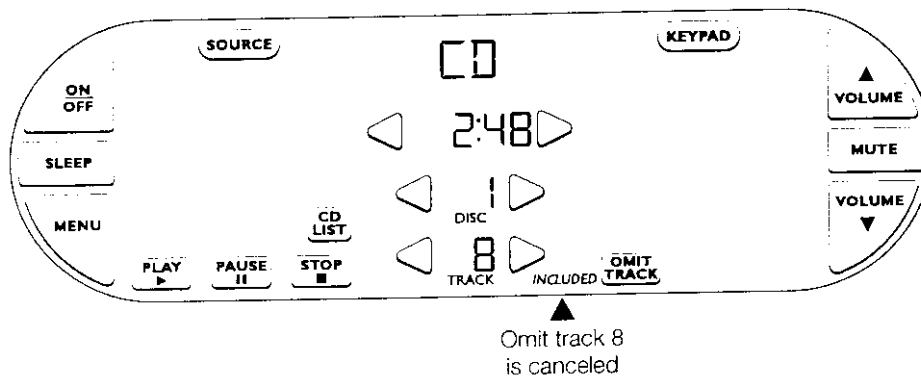
**Figure 29**

Display showing an omitted track



**Figure 30**

Display showing omitted track canceled

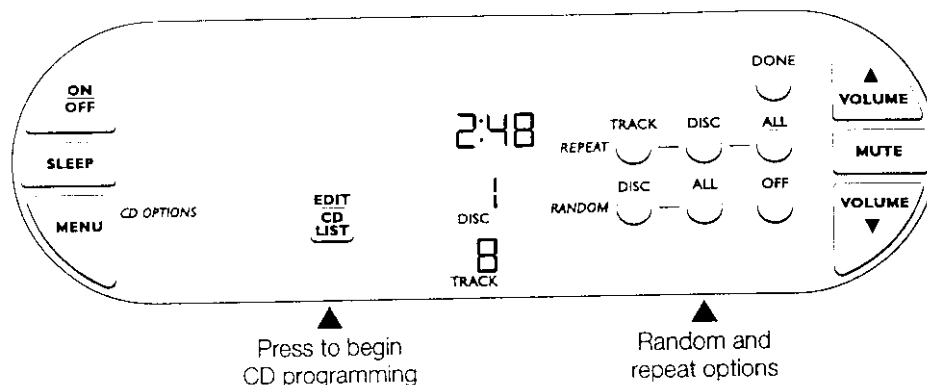


## Using the CD OPTIONS MENU

Press the MENU button until CD OPTIONS is displayed.

**Figure 31**

CD options screen while CD is playing



### Random and Repeat modes

Repeat modes allow you to play CDs for 24 hours or until you select STOP ■ or OFF. Press DONE to accept your settings. Press OFF (in the REPEAT/RANDOM display) to turn off the settings. The following random and repeat options are available (Figure 31):

- REPEAT TRACK - repeats selected track for 24 hours or until stopped
- REPEAT DISC - repeats selected disc for 24 hours or until stopped
- REPEAT ALL - plays all loaded discs in order, then repeats for 24 hours or until stopped
- RANDOM DISC - plays selected disc in random order once through
- RANDOM ALL - plays all tracks on all discs in random order, once each
- REPEAT RANDOM DISC - plays selected disc in random order, repeats disc in new random order, continues for 24 hours or until stopped
- REPEAT RANDOM ALL - plays all tracks on all discs in random order, repeats all tracks in new random order, continues for 24 hours or until stopped

By selecting CD LIST first, the following random and repeat options play your programmed CD list the same way they play a disc:

- RANDOM - plays LIST in random order once through
- REPEAT - repeats LIST for 24 hours or until stopped
- REPEAT TRACK - repeats selected track for 24 hours or until stopped
- REPEAT RANDOM - plays LIST in random order, repeats LIST in new random order, continues for 24 hours or until stopped

🎵 **Note:** If you select random and repeat modes that cannot be combined (REPEAT TRACK and RANDOM DISC, REPEAT TRACK and RANDOM ALL, REPEAT DISC and RANDOM ALL), the system accepts the most recently entered choice.

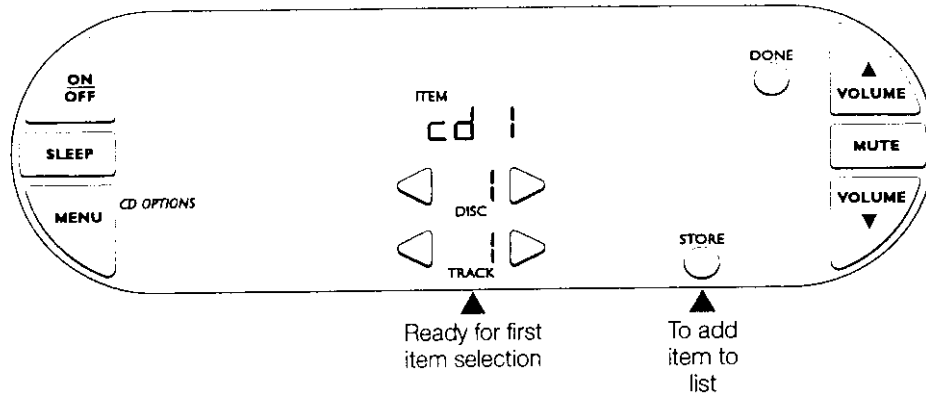
**CD Programming**

Your Lifestyle® system's CD programming feature lets you store your own play list in memory, selecting up to 32 tracks (including repeated tracks) from all loaded discs. You can edit a CD play list even while you are listening to another source.

In the CD OPTIONS MENU (Figure 31), press EDIT CD LIST to begin creating your CD play list.

**Figure 32**

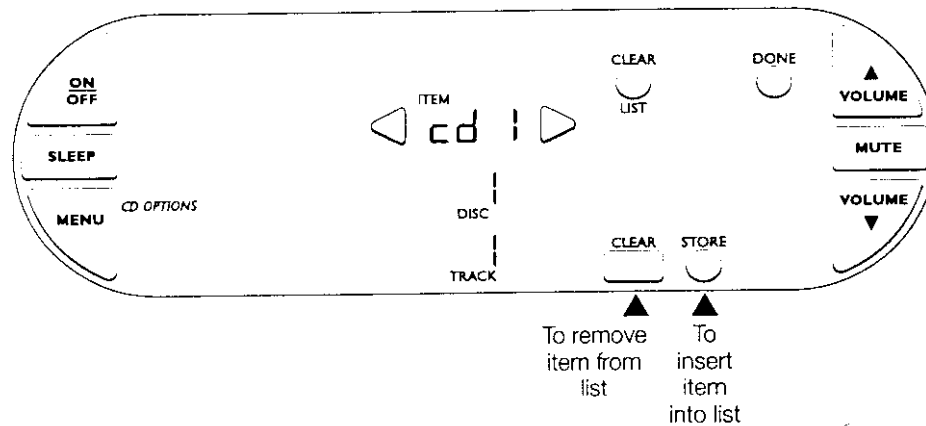
*Beginning CD programming display*



1. Disc one is shown. If a CD is playing when you begin programming, the current disc and track are shown. Use the arrow buttons to change the disc number, if desired.
2. Use the arrow buttons to select a track number as needed. The track and disc numbers are selected independently.

**Figure 33**

*CLEAR and CLEAR LIST buttons available on the display after first selection is entered*



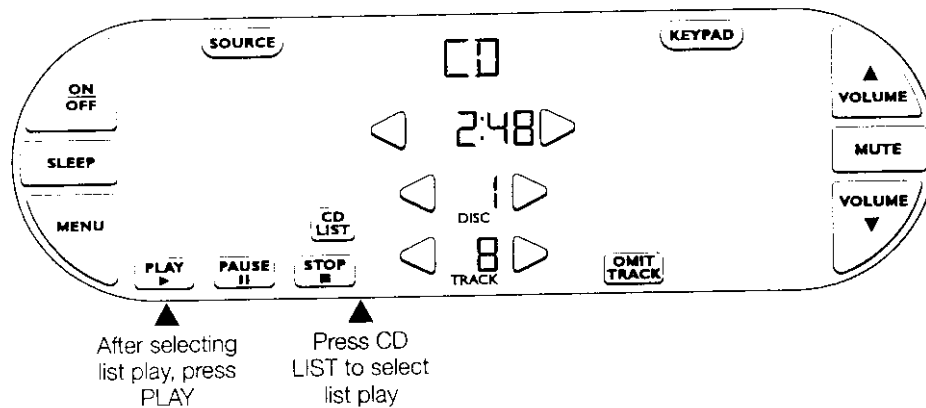
3. While the item number is flashing, press STORE to enter the selected disc and track as item 1. The item number stops flashing.
4. Press the ITEM up arrow to select the next item. Repeat selecting disc and track numbers to create your play list.
5. You can erase list entries using the CLEAR button. The display offers dashes for the track number so you can replace the cleared item with a new entry. If you do not replace the entry, the location is emptied and following items are moved up one number.



6. You can insert an item between two entries in your list by pressing STORE at an already stored item.
  - Press STORE when the item number is not flashing. The item number begins flashing to show that the item you were viewing has been moved up one item number, leaving the previous item number available.
  - Select the new disc and track numbers desired.
  - Press STORE to save the entry.
7. When 32 items are stored, the STORE button is no longer available. If you return to your list to store more items, the display indicates **FULL** in the ITEM field.
8. When you have completed your list, press DONE to exit from CD programming (or wait for the programming screen to timeout).

**Figure 34**

Ready to play CD LIST



Press the CD LIST button to play your CD list.

- The CD LIST button is shown only if there is a programmed list stored.
- If there is an invalid entry in your list (for example, a track number not found on that CD), it is skipped while the list plays.
- If a CD has been removed or exchanged, the system tries to play the disc and track listed for each item in the list, skipping items that are not available.
- The CD play list cannot be edited while it is playing.

To erase the entire list, press the CLEAR LIST button in the CD OPTIONS MENU, and confirm this selection by pressing YES or NO.

## **Listening to home theater sound**

Your Lifestyle® 50 system uses digital signal processing to bring even greater realism and impact to both movies and music recordings. Built-in Dolby Digital (AC-3) decoding delivers up to 5.1 discrete audio channels from DVD, digital TV, next-generation cable boxes and satellite receivers. For all analog formats, as well as for two-channel PCM and Dolby Digital bitstreams, the Lifestyle® 50 system's Videostage® decoder helps to deliver the sound of the movies, right in your own home:

- Videostage decoding directs stereo information to the surround channels, so the sound of stereo broadcasts and rented or recorded tapes can approach that of your DVD discs.
- Videostage decoding delivers five great-sounding channels, even when the original contained only two.
- Only Videostage decoding processes a one-channel program and directs five-channel sound to five independent speakers. Dialogue remains locked on-screen, while music and ambient effects fill the room.

Your Lifestyle® 50 system offers the option of listening in 5, 3, or 2-speaker mode. The system turns on in SURROUND (5-speaker) mode. For most video material (mono, stereo, or surround), listening in 5 or 3-speaker mode helps anchor the dialogue to the picture while providing a fuller sound. See additional discussion about selecting program material below.

### **Listening to digital sound**



#### **Turning the digital audio source on**


Turn on the DVD player, digital TV, or other digital audio source. Be sure to load the DVD disc for viewing.

#### **Turning the system on and choosing digital sound**

Press AUX on the personal music center to turn your system on to play digital sound.

#### **Selecting listening material**

To select material with compatible digital-audio bitstreams, look for the terms PCM or Dolby Digital, or the symbols  or  on DVD-Video discs. Your Lifestyle® 50 system cannot process MPEG-2 or DTS digital bitstreams. Make sure a connection is made between your DVD player or Digital TV's digital audio output and your Lifestyle system's digital audio input.

To select surround-encoded analog or digital audio material, look for the terms Surround or Dolby Surround, or the symbol  on tapes and discs, or the word "surround" preceding a TV broadcast.

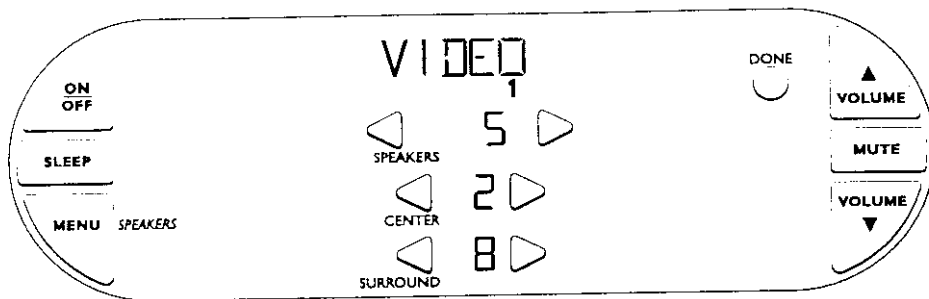
You can listen to any program material in SURROUND (5-speaker) mode, although you may not hear sound from all five speakers all of the time. Some monaural and stereo materials will not cause sound to be directed to the surround speakers. Even with surround-encoded material there are times when no sounds are directed to the surround speakers.

## Using the SPEAKERS MENU

Press the MENU button until SPEAKERS is displayed. The SPEAKERS MENU allows you to select the number of speakers to use and adjust the center and surround levels.

**Figure 34**

Speaker options and center and surround levels



### Selecting number of speakers

If Bose® home theater speakers are connected, the system automatically turns on all five speakers. Use the arrow buttons to change from 5-speaker mode to 3-speaker or 2-speaker mode. The system remembers the number of speakers selected for the particular source and room for which it was used.

### Adjusting center and surround levels

The center and surround adjustments are remembered for the room in which they were used. The levels are factory-preset at zero. Use the arrow buttons to adjust the levels.

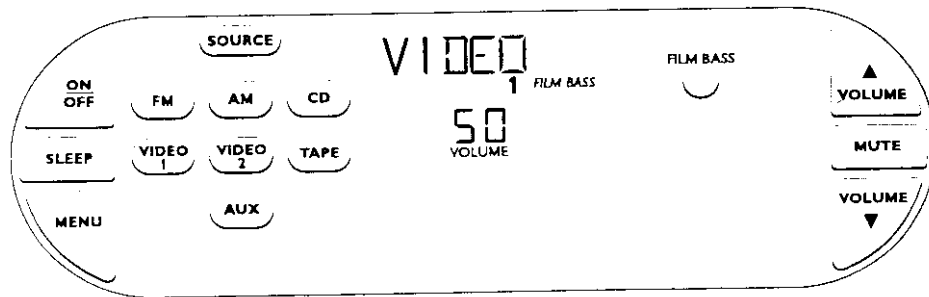
- The range for CENTER levels is -8 to +8 to raise or lower the sound level directed to the center speaker. Adjusting center levels widens or shrinks the perceived stereo image.
- The range for SURROUND levels is -10 to +6 to raise or lower the sound level directed to the surround speakers.

### Using film bass for movie soundtracks

While using AUX, VIDEO 1, VIDEO 2, and TAPE, you can select film bass, an enhanced bass level specially designed for proper playback of movie soundtracks. Press FILM BASS to turn it on or off. FILM BASS is on when you select VIDEO 1 or 2 or AUX. You can turn it on for TAPE.

**Figure 35**

VIDEO 1 with FILM BASS



🎵 **Note:** You may not hear a difference between enhanced and standard bass when listening to movie soundtracks that do not have much very low bass content.

## Using the system with external components

Follow the instructions on page 15 for connecting components.

Turn on your component directly or by using its remote control. Use VOLUME ▲ or ▼ on your personal music center to raise or lower the volume. Control all other functions at the source, referring to its owner's manual, if necessary. To begin, make sure the component is turned on and a tape, CD, DVD, laserdisc, etc. is loaded.

**Note:** The Lifestyle® 50 system cannot turn a connected component on or off.

### Turning the system on and selecting the component

Press VIDEO 1, VIDEO 2, AUX, or TAPE on your personal music center to select the desired component. This turns your system on and selects the component connected to that input. If the system is already on, this button selects the component.

The appropriate display indicator appears when the system is on and the component is selected.

**CAUTION:** The magnetic field from the Acoustimass® module is not an immediate risk to your video tapes, audio tapes, and other magnetic media. However, you should not store tapes directly on or near the Acoustimass module.

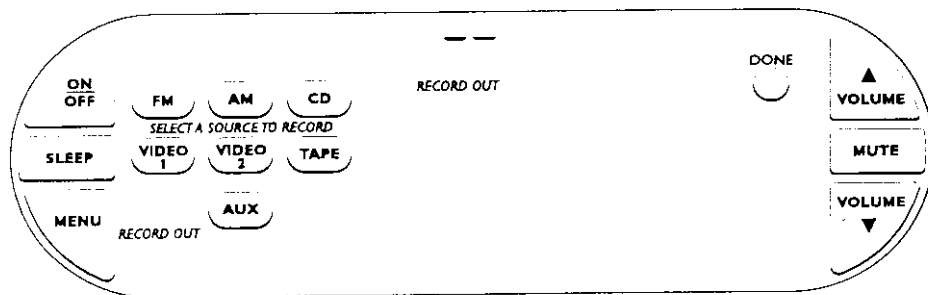
### Using a tape recorder with your system

To record on a connected tape deck, use the MENU button to select RECORD OUT. You can select any source to record except TAPE. The signal of the selected source is directed to the RECORD OUT jacks even if you are not listening to that source while recording.

- Press a source button. The selected source is displayed in place of the dashes.
- Press CLEAR to remove your RECORD OUT selection. The dashes reappear.
- The RECORD OUT source stays on until you turn RECORD OUT off. If selected for RECORD OUT, the CD player shuts off after 24 hours.
- \* RECORD OUT is shown on the display when a source to which you are listening is also being directed to RECORD OUT.

**Figure 37**

The RECORD OUT MENU display



**Note:** If you do not use the RECORD OUT option from the MENU, the source playing is directed to the RECORD OUT jacks. In a multi-room system, the source in the lowest connected room is sent to the RECORD OUT jacks.

When you are ready, set the tape deck to record.

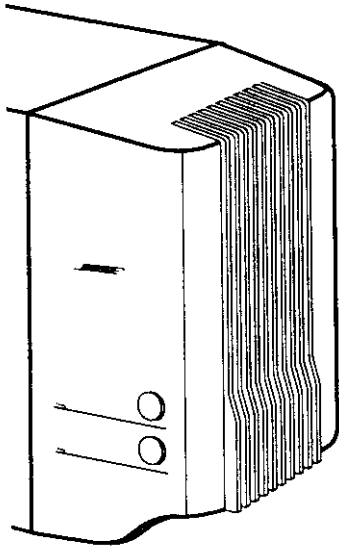
## Fine-tuning your system

In most situations, you only need to follow the speaker placement guidelines (see "Setting Up" on pages 6-8) 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 here.

**Figure 38**

*Bass and treble controls*



### **Adjusting speaker controls**

The Lifestyle® 50 system TREBLE and BASS controls are located on the Acoustimass® module (Figure 38). 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. You can also locate the normal setting by feeling when the control settles into the notch at this 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 cautious 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 further 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 increases bass. Moving the module away from the corner decreases bass.

### **Compensating for movie soundtracks**

When a movie soundtrack is played in a motion picture theater, its bass is restored to the full level intended by the movie's sound designer. To perform the same way in your home, your Lifestyle® 50 system restores the bass to this level when you select VIDEO 1 or 2. In VIDEO, AUX, or TAPE modes, use the FILM BASS button to select between standard and film (enhanced) bass.

### Adjusting signal levels

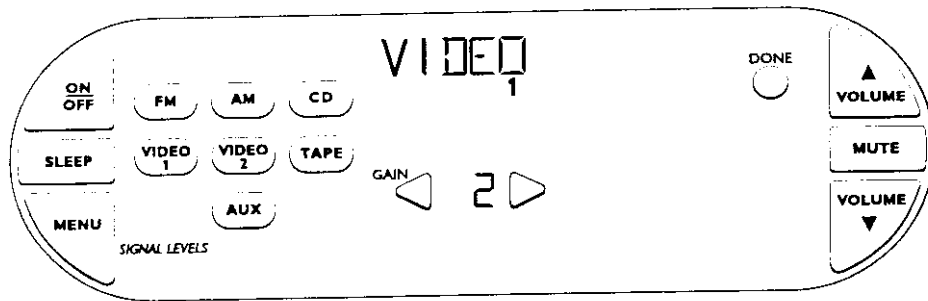
This setting allows you to adjust and equalize the signal level of sources that are not built-in (VIDEO 1, VIDEO 2, AUX, TAPE). For example, use SIGNAL LEVELS to adjust the gain level of an external source so that volume level 50 on this source sounds as loud as 50 from a built-in source. SIGNAL LEVELS also displays the relative signal strength received by the tuner.

Press the MENU button until SIGNAL LEVELS is displayed.

- Select FM or AM. The gain number indicates the received signal strength. You can watch it change while you adjust the antenna, to look for the strongest reception.
- Since the built-in CD changer has a fixed signal level, dashes are shown in the gain field.
- VIDEO 1, VIDEO 2, AUX, and TAPE can be adjusted from -15 to +15. After listening to the built-in sources (FM, AM, CD) at your preferred volume level, adjust the signal level settings for the connected sources until you get equivalent volumes.

**Figure 39**

Signal levels options while in VIDEO 1

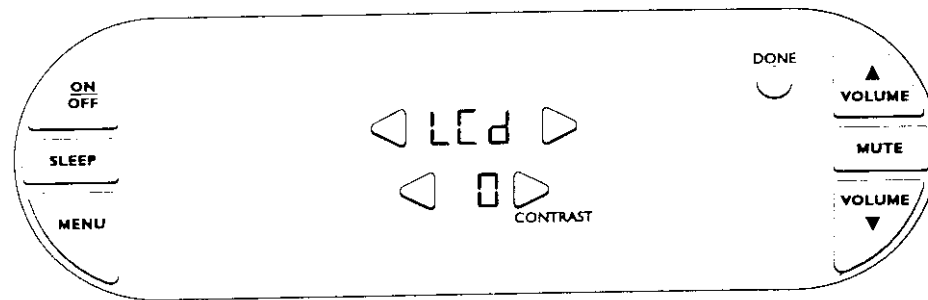


### Adjusting LCD contrast

You can adjust the contrast on the touchscreen. Hold down the SOURCE button for five seconds until the LCD display appears. Press the lower arrows to select the contrast level you prefer.

**Figure 40**

LCD contrast adjustment display

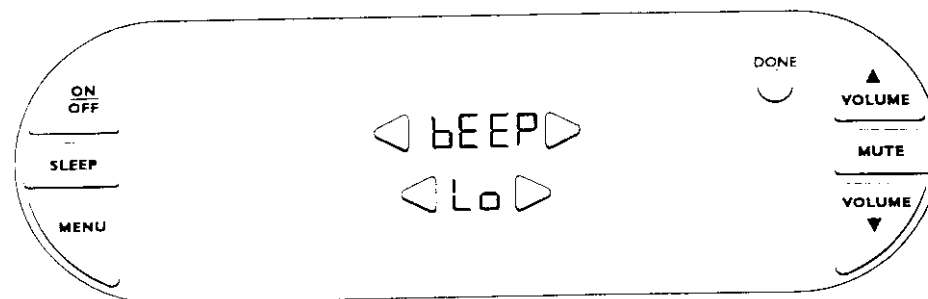


### Adjusting the personal music center beep

You can adjust the sound made by the touchscreen to acknowledge a button press. Hold down the SOURCE button for five seconds until the LCD display appears. Use the upper arrow buttons to get to the BEEP display. Use the arrow buttons to select between Lo, HI, and - - (off).

**Figure 41**

Beep adjustment display



## Connecting additional rooms

Follow the placement guidelines for the Bose® powered speakers that you plan to connect. Then review your plan for how to connect these speakers to the multi-room interface in your primary room. If you have questions or need extension cables to complete the connections, call Bose Product Support at the numbers listed on the back inside cover of this owner's guide.

**⚠ CAUTION:** Make sure all components are unplugged from the power outlet before you begin hooking up additional speakers.

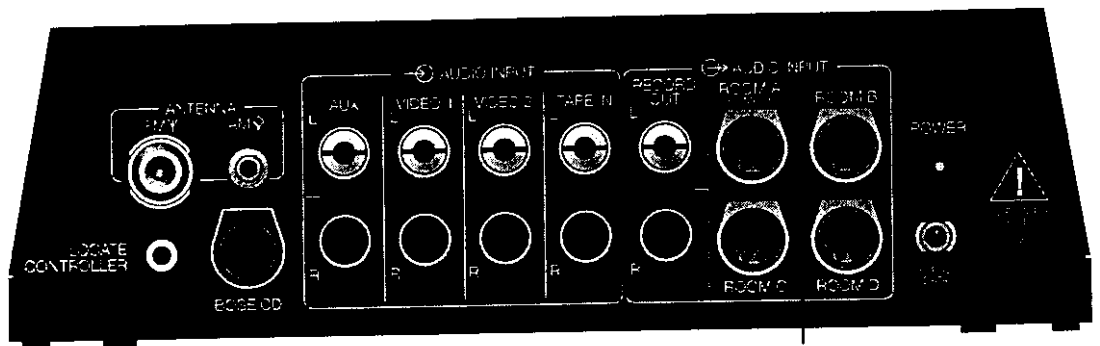
Connect the audio input cable from your additional powered speakers to the selected ROOM jack on the back of the multi-room interface.

1. Plug the small black multi-pin connector (flat side facing up) into the jack marked ROOM B, C, or D on the back of the interface.
2. Follow the instructions that came with your speakers for connecting the cable to the speakers.

**🎵 Note:** Be sure that each connector is inserted completely into each jack.

**Figure 42**

ROOM jacks on the multi-room interface



Room A, B, C, and D jacks

**🎵 Note:** If you connect Bose powered home theater speakers, the system automatically offers controls for SPEAKER options and FILM BASS:

- Select SPEAKERS by pressing the MENU button. Use this option to select 5-, 3-, or 2-speaker mode and to adjust center and surround levels.
- While using AUX, VIDEO 1, VIDEO 2, and TAPE, you can select film bass, an enhanced bass level designed for proper playback of movie soundtracks. Press the FILM BASS button to turn it on or off. FILM BASS is on when you select VIDEO 1 or 2 or AUX.

Since SPEAKER options and FILM BASS do not apply for stereo use, these controls are not provided for stereo models of Bose powered speakers.

## Operating more than one room

Your Lifestyle® 50 system is able to control up to four rooms of speakers. These rooms are referred to as A, B, C, and D. Room A is the primary room, and must be used for connecting a one room system. If two or more rooms are connected to your system, the system provides the ROOM and HOUSE buttons on the personal music center display, and room letters (A, B, C, and/or D) are shown for the rooms that are connected.

When you have two or more rooms connected, you can play the same or different sources in each room. To understand how these features work, please take a look at the following definitions:

**Shared source:** When two or more rooms are listening to the same source, they are sharing this source. If a source change is made (such as a radio station change), all rooms listening to this source hear the changed source.

**Linked rooms:** When two or more rooms are linked, they function as if they were one room. If the volume is changed in one room, it is changed in all the linked rooms. Linked rooms share the same source, but shared sources are not necessarily linked.

Keep in mind that there are limits to using different sources in different rooms. With one tuner, the system cannot play FM in one room and AM in another. Similarly, with one CD player, the system cannot play two different CDs at the same time.

### Using the ROOM button

Use the ROOM button to select one or more rooms to control.

- Pressing ROOM selects each of the connected rooms in alphabetical order. The display also shows if the room is off or which source is on.
- If the room is shown with a box around the letter, you are currently controlling this room.
- If a room is shown by a letter with no box around it, it is sharing a source with the controlled room.
- Following the sequence of individual rooms, groups of rooms with shared sources are shown with boxes around the letters, providing the opportunity for them to be controlled as linked rooms.

Use the following examples of four-room systems to understand the sequence of ROOM button presses.

#### **Example 1: Room A - FM on, Rooms B and C - CD on, Room D - off**

Button press	Display shows
Starting .....	<b>A</b>
1st .....	<b>B</b> C
2nd .....	B <b>C</b>
3rd .....	<b>D</b>
4th .....	<b>B</b> <b>C</b>
5th .....	<b>A</b>

#### **Example 2: Rooms A and C - FM on, Rooms B and D - CD on**

Button press	Display shows
Starting .....	<b>A</b> C
1st .....	<b>B</b> D
2nd .....	A <b>C</b>
3rd .....	B <b>D</b>
4th .....	<b>A</b> <b>C</b>
5th .....	<b>B</b> <b>D</b>
5th .....	<b>A</b> C

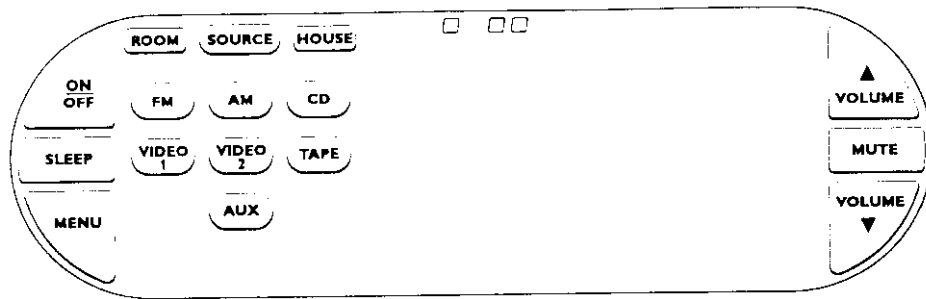


## Using the HOUSE button

Use the HOUSE button to control all connected rooms together. Press HOUSE to see empty boxes for all the connected rooms.

**Figure 43**

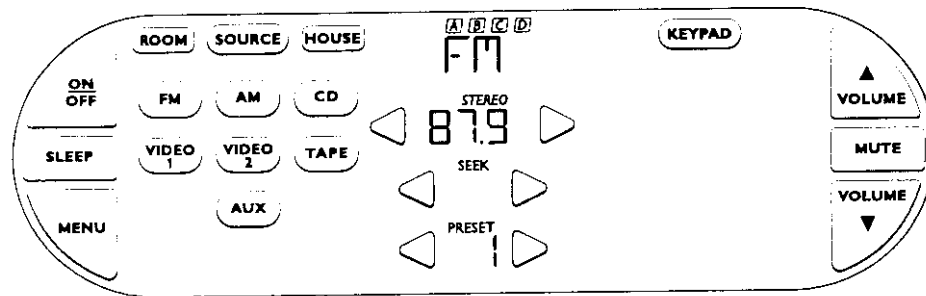
Pressing the HOUSE button with rooms A, C and D connected



Then press a source, VOLUME, MUTE, SLEEP, or OFF. The command is applied to all rooms.

**Figure 44**

Pressing the HOUSE button and FM in four-room system



**Note:** Press the HOUSE button before each different command to apply that command to all rooms.

The only MENU items available while in HOUSE mode are CLEAN SCREEN and CD OPTIONS (CD programming).

### Using HOUSE/source

Pressing HOUSE and a source turns all rooms on in this source. The display fills the empty boxes with room letters and shows the source selected.

**Note:** There is no HOUSE/ON option to prevent accidentally turning on all rooms. You can use HOUSE/source to turn all rooms on to the same source.

### Using HOUSE/VOLUME

Pressing HOUSE and VOLUME changes the volume of all rooms that are on. When you change volume for a group of linked rooms, the display shows the volume of the most recently controlled room and a box around the letter of that room. The system adjusts the volume in all rooms up or down by the same amount, and remembers the difference between the original room volume settings.

### Using HOUSE/MUTE

Pressing HOUSE and MUTE mutes all rooms that were on, even if any were previously muted individually. To cancel HOUSE/MUTE, press HOUSE and MUTE again. Any rooms that were muted before the HOUSE/MUTE command stay silent until individually unmuted.

If you unmute an individual room after a HOUSE/MUTE is in place, the HOUSE/MUTE command is canceled and converted to individual room mute states. The individual rooms remain silent until they are each unmuted.

Pressing HOUSE and VOLUME ▲ (up) cancels HOUSE/MUTE for all rooms.


### **Using HOUSE/SLEEP**

Pressing HOUSE and SLEEP applies the SLEEP mode to all rooms that were on.

Pressing HOUSE displays empty boxes for all connected rooms. Pressing SLEEP shows all rooms that were on with boxes around the letters to indicate that you are setting SLEEP mode in those rooms.

The SLEEP time selected applies to all the rooms that were on even if they were playing different sources. If the SLEEP timer was running in one or more rooms, HOUSE/SLEEP displays the greatest time already set. You can accept this time or change it for all the rooms.

To cancel HOUSE/SLEEP, press HOUSE, SLEEP, CLEAR, and DONE.

 **Note:** You can set different sleep times for individual rooms by using the ROOM button to select each room and setting SLEEP.

### **Using HOUSE/OFF**

Regardless of how many rooms are on, pressing HOUSE and OFF turns the whole system off.

### **Canceling HOUSE mode**

If you do not press any additional buttons after pressing HOUSE, pressing HOUSE again cancels HOUSE mode.

### **Unlinking rooms**

After you have linked the rooms using the HOUSE button or by selecting the group of rooms with a shared source, you can use the ROOM button to unlink individual rooms. Press ROOM until a room you want to unlink is controlled (a box around the room letter). Change the source of that room or turn it off. This room is now removed from the linked group.

## **Using more than one personal music center**

To operate a multi-room system, you may want to add personal music centers in the additional rooms. Each multi-room interface can be controlled by a maximum of four personal music centers. One personal music center can control up to four rooms.

To add a new personal music center to your system, follow the setup instructions on page 17. Be sure to install the batteries and turn it on for the first time within three feet of the multi-room interface to allow the system to register the new personal music center for use with your system. If the multi-room interface is not plugged in or the music center is out of range, the display indicates NO RESPONSE.

## Cleaning the Lifestyle® 50 system

The only maintenance needed is cleaning the system and your compact discs, and replacing the personal music center batteries.

For information on replacing the personal music center batteries see page 17.

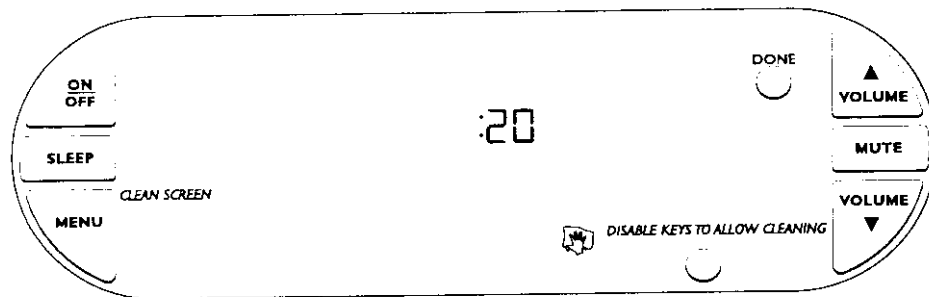
### Cleaning the touchscreen

This option disables the buttons to allow you to wipe the touchscreen without affecting system operations. The system counts down 20 seconds, and beeps during the last five seconds to warn you that time is running out.

Press the MENU button until CLEAN SCREEN is displayed. Press the DISABLE KEYS button to begin the 20-second countdown. Press DONE to exit from CLEAN SCREEN or press MENU to select another menu item.

**Figure 45**

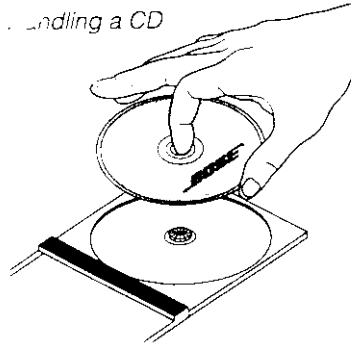
Entering the CLEAN SCREEN display



You can use an ammonia-free window cleaner on a soft cloth to wipe the screen.

**Figure 46**

Handling a CD



### Handling CDs

Handle discs by their edges to prevent fingerprints and scratches (Figure 46).

To remove stains or fingerprints from the surface of a disc, use a soft, lint-free, dry cloth. Wipe in straight movements from the center of the disc to the outside (Figure 47). Do not use any chemical products; they can damage the disc.

Do not write on, or attach labels to the surface of the disc.

To minimize exposure to dust and dirt, replace discs in their cases after use. Store each disc in its case, out of direct sunlight, high temperatures, and humidity.

### Cleaning the CD changer

Use only a soft cloth to clean the outside of the CD changer.

Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not allow liquids to spill into any openings. Do not use any sprays near the system.

### Cleaning the speakers and Acoustimass® module

Clean the surface of your speakers with a soft, damp cloth. You can use an ammonia-free window cleaner on a soft cloth to maintain the finish.

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, although you may vacuum them carefully with a soft-bristled attachment, if necessary.



**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, turn it off and contact Bose® product support.

**Figure 47**

Cleaning a CD



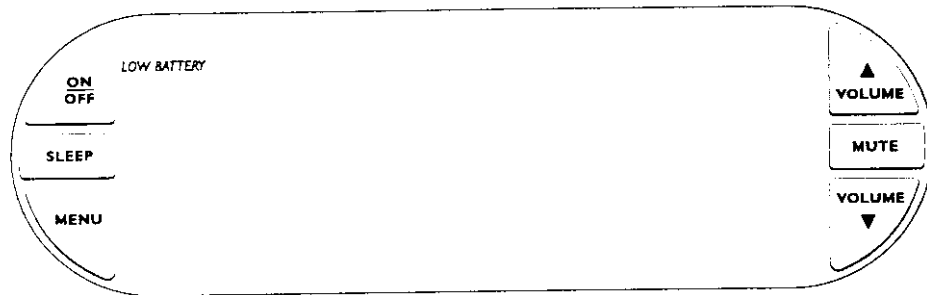
## Replacing batteries

There are five successive levels of warnings to alert you to replace the personal music center batteries:

1. The LOW BATTERY message appears while all operations remain normal.
2. The LOW BATTERY message flashes while all operations remain normal.
3. The LOW BATTERY message flashes faster, screen timeouts are shortened, and the backlight is dimmed.
4. The LOW BATTERY message flashes even faster, screen timeouts are shortened, and the backlight is dimmed.
5. The LOW BATTERY message flashes even faster, screen timeouts are shortened, the backlight is dimmed, only the anchor buttons are shown, only ON/OFF operates to shut the system down.

**Figure 48**

The most severe low battery warning display



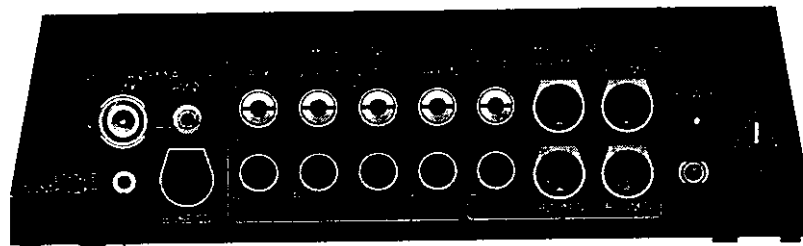
Replace the batteries with 4 AAA or IEC-R03 1.5V alkaline batteries, matching the + and – symbols on the batteries with the + and – markings inside the compartment. See page 17 for battery installation instructions.

## Using the personal music center “find me” feature

The “find me” feature assists you in locating the personal music center. Press the LOCATE CONTROLLER button on the back of the multi-room interface (under the antenna connections, next to the CD changer cable connection). The personal music center begins beeping within 60 seconds. The beep continues for 60 seconds. You can stop the beep by touching the personal music center screen.

**Figure 49**

The LOCATE CONTROLLER button



LOCATE CONTROLLER button

## 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 inserted securely into the multi-room interface, the power cord is inserted securely into the Acoustimass® module, the power pack and power cord are plugged fully into operating AC wall outlets.</li> <li>• Be sure to select a source (CD, AM/FM, etc.).</li> <li>• Unplug the multi-room interface 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>• Increase the volume.</li> <li>• Check to see if MUTE is flashing on the display. If it is, press the MUTE button unmuting the sound.</li> <li>• Make sure the audio input cable is firmly seated in the multi-room interface ROOM A jack and the multi-pin connector on the other end is firmly seated in the Acoustimass module AUDIO INPUT jack.</li> <li>• Check speaker connections.</li> <li>• Check the connections for any external components. Make sure to select the correct source for the desired input.</li> <li>• Be sure the CD is placed correctly, label-side up, in the magazine, and the magazine is inserted properly in the CD changer.</li> <li>• Connect the FM and AM antennas.</li> </ul>
No sound from center speaker	<ul style="list-style-type: none"> <li>• Make sure the center cube cable is connected at both ends.</li> <li>• Check the settings in the SPEAKERS MENU.</li> </ul>
Too much sound from center speaker	<ul style="list-style-type: none"> <li>• Adjust the settings in the SPEAKERS MENU.</li> </ul>
No sound from surround speakers	<ul style="list-style-type: none"> <li>• Select 5 speakers in the SPEAKERS MENU.</li> <li>• Adjust the SURROUND level.</li> <li>• Make sure the video sound component used (TV, VCR, DVD, or laserdisc player) is stereo.</li> </ul>
Surround speakers are too loud	<ul style="list-style-type: none"> <li>• Adjust the SURROUND level in the SPEAKERS MENU.</li> <li>• Make sure that the left and right front speakers are connected to the front speaker jacks (blue) and the left and right surround speakers are connected to the surround speaker jacks (orange).</li> </ul>
Personal music center control is inconsistent, shows a NO RESPONSE message, or does not work	<ul style="list-style-type: none"> <li>• Check batteries and their polarity (+ and -). See pages 17 and 39.</li> <li>• Operate the personal music center closer to the multi-room interface.</li> <li>• Move the personal music center a few feet to avoid an area of interference.</li> <li>• Make sure the audio input cable is firmly seated, and uncoiled.</li> <li>• If the first time the system is turned on, the screen shows a NO RESPONSE message, be sure the multi-room interface is connected and plugged in. Then turn on the personal music center again, holding it within three feet (1 m) of the multi-room interface.</li> </ul>

<b>Problem</b>	<b>What to do</b>
CD does not play	<ul style="list-style-type: none"> <li>• Check to see if the play symbol ► in the display is flashing.</li> <li>• Make sure the magazine is properly inserted.</li> <li>• Check to see if there is a disc in the magazine, label-side up. Display shows a flashing number for a disc that is label-side down or cannot be read. Display shows <b>noCd</b> if no discs are loaded.</li> <li>• Eject the magazine and try loading the CD again.</li> <li>• There may be dirt or dust on the CD. Clean the CD. See Figure 46.</li> <li>• The disc may be defective. Try another disc.</li> <li>• The CD changer cannot play a DVD disc.</li> <li>• If the CD changer is not properly connected the display shows <b>PLUG in cd</b>.</li> <li>• A display message <b>Err</b> indicates a mechanical error. Call Bose® Product Support (see inside back cover for listings).</li> </ul>
Radio does not work	<ul style="list-style-type: none"> <li>• Make sure antennas are connected properly.</li> <li>• Adjust antenna position to improve reception. Use SIGNAL LEVELS MENU to determine best reception.</li> <li>• AM antenna must be upright.</li> <li>• Move antennas farther from TV or other electronic equipment.</li> <li>• You may be in an area of weak signal coverage.</li> </ul>
FM sound is distorted	<ul style="list-style-type: none"> <li>• Adjust antenna position to reduce interference.</li> </ul>
Sound is distorted	<ul style="list-style-type: none"> <li>• Make sure speaker cables are not damaged and the connections are secure.</li> <li>• Reduce the output level from any external components connected to the CD changer.</li> </ul>
No tape, CD, VCR, or TV sound	<ul style="list-style-type: none"> <li>• Check the connections.</li> <li>• Make sure the component is turned on.</li> <li>• Refer to the component owner's manual.</li> </ul>

## **Warranty period**

The Bose® Lifestyle® 50 system is covered by a limited 1-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 additional help in solving problems, contact Bose customer service. See the inside back cover for Bose customer service offices and phone numbers.

**Technical information**

**Speaker system power rating**

USA/Canada: 120V~ 50/60 Hz 350W  
 Europe/Australia: 220-240V~ 50/60 Hz 350W  
 Dual voltage: 115/230V~ 50/60 Hz 350W

**Multi-room interface power pack power rating**

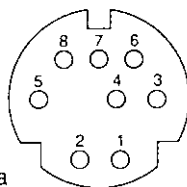
USA/Canada: 120V~ 60 Hz 19VA  
 Europe: 230V~ 50 Hz 19VA  
 Australia: 240V~ 50 Hz 19VA  
 Dual voltage: 120V~ 60 Hz 19VA and 230V~ 50 Hz 19VA

**Multi-room interface inputs**

TAPE: 2Vrms, maximum  
 AUX, VIDEO 1, VIDEO 2: 2Vrms, maximum  
 FM antenna: 75Ω  
 AM antenna: 12μH  
 Power: 12V~, 1.6A

**Multi-room interface outputs**

TAPE: fixed audio  
 ROOM A, B, C, D: auto-adjusting fixed or variable audio  
 SERIAL DATA: for future use  
 ROOM connector pinouts:  
 1: left audio  
 2: right audio  
 3: left audio  
 4: right audio  
 5: audio ground  
 6: +10V control line  
 7: SMART SPEAKER data  
 8: control line ground



**Personal music center range**

65 feet (20 m)

**Dimensions**

Personal music center  
 8.8" W x 4.1" D x 1.4" H  
 (22.4 cm x 10.5 cm x 3.6 cm)  
 Multi-room interface  
 7.4" W x 4.0" D x 2.1" H  
 (18.8 cm x 10.0 cm x 5.5 cm)  
 CD changer  
 15.5" W x 8.0" D x 2.6" H  
 (39.4 cm x 20.3 cm x 6.6 cm)  
 Jewel Cube® speaker  
 2.2" W x 3.2" D x 4.4" H  
 (5.6 cm x 8.1 cm x 11.2 cm)  
 Acoustimass® module  
 23.3" W x 7.5" D x 14.0" H  
 (59.0 cm x 19.0 cm x 35.5 cm)

**Weights**

Personal music center  
 .8 lb (.4 kg)  
 Multi-room interface  
 .8 lb (.4 kg)  
 CD changer  
 5.9 lb (2.7 kg)  
 Jewel Cube speaker  
 1 lb (0.5 kg)  
 Acoustimass module  
 33 lb (15.0 kg)  
 Total shipping weight  
 62 lb (28.2 kg)

**Finish**

Personal music center  
 Polymer, painted  
 Multi-room interface  
 Polymer  
 CD changer  
 Aluminum  
 Jewel Cube speakers  
 Polymer, painted  
 Acoustimass module  
 Vinyl veneer, Polymer

**Accessories**

To find out about mounting brackets, stands, CD magazines, and connecting additional Bose® powered loudspeakers, contact your Bose dealer. Or call Bose directly (see inside back cover for phone numbers).

***There is no index at this time in this draft of the owner's guide.***





**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., 8-35 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

**Belgique/België**

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

**Danmark**

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

**Deutschland**

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

**France**

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

**India**

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

**Ireland**

Bose Corporation  
Carrickmacross, Co Monaghan  
TEL 042-61988 FAX 042-61998

**Italia**

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

**Nederland**

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

**Norge**

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

**Österreich**

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

**Schweiz**

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

**Sverige**

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

**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 Ave.  
Framingham, MA 01701-9168 USA  
TEL (508) 766-1900 FAX (508) 766-1919

**World Wide Web**

[www.bose.com](http://www.bose.com)



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Better sound through research.

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