



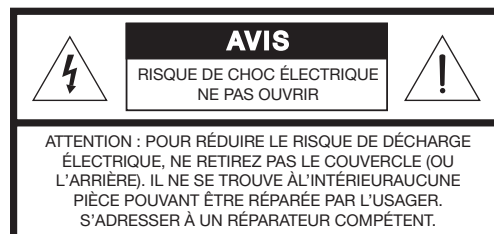
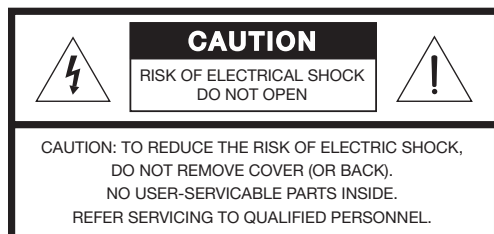
3•2•1 Home Entertainment System

***Owner's Guide
January 29, 2002***

AM256950_02_V.pdf

The AV3-2-1 media center is to be used only with the PS3-2-1 or PS321 powered speaker system (Acoustimass® module).

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 bottom of your 3•2•1 home entertainment system media center and the rear panel of the Acoustimass module:



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

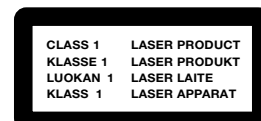


The exclamation point within an equilateral triangle, as marked on the system, is intended to alert the user to the presence of important operating and maintenance instructions in this owner's guide.

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

Class 1 laser product

The DVD player contained within the media center is classified as a CLASS 1 LASER PRODUCT according to EN60825-1:1994 + A11. The CLASS 1 LASER PRODUCT label is located on the bottom of the media center.



CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. The DVD 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 sheet 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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Before you begin

Thank you for purchasing the Bose® 3•2•1 home entertainment system, which offers superb sound, elegance, and simplicity in an advanced home audio setup. Using Bose proprietary signal processing technology, the 3•2•1 system provides improved spaciousness from stereo recordings, and bold movie effects from surround-encoded materials. Yet its few parts require little labor to set up, so you can enjoy your new system's performance right away.

Your system includes:

- Integrated AM/FM tuner and DVD/CD player in a small console
- Small, easy-to-place shelf speakers and an attractive floor-standing Acoustimass® module
- Easy-to-use infrared remote control
- Console input jacks for connecting other source components (such as a VCR, DSS, CD changer, or tape deck)

Selecting compatible discs

The DVD/CD player built into the 3•2•1 media center can play the following types of discs identified by their corresponding logos:

- Video DVDs 
- Audio CDs 
- CD-R and CD-R/Ws
- MP3 on CD

Check for region code compatibility

For any DVD player and DVD disc to be compatible, their region code numbers must match. These numbers are allocated according to where the player and disc are sold.

Check the region code number on the carton for the 3•2•1 home entertainment system or on the bottom of the media center that comes in the carton. Then be sure to choose only DVD discs that show the same region number on the disc label or front cover. For example, a Region 1 DVD player should display the following mark:



How text is used in this owner's guide

These instructions refer to buttons on the remote control and on the media center front panel, menu items that appear on your TV screen, and status indicators on the media center display. To help you differentiate them:

Button names appear in bold type. If a button has only a symbol, that alone will be used.

On-Screen Display messages appear in bold type with a line above and below.

MEDIA CENTER DISPLAY items are represented by bold capitalized type.

Glossary of terms

DD – The trademarked logo for Dolby Digital, a perceptual coding system for audio, developed by Dolby Laboratories. Dolby Digital is the most common means of encoding audio for DVD-Video.

Aspect Ratio – The shape of the rectangular picture in a TV set. It is the width of the picture relative to the height. Our standard TV picture, in terminology used by that industry, is 4 units wide by 3 units high, or 4:3 (read as 4 by 3) in aspect ratio. There are currently two standard TV aspect ratios in the U.S., 4:3 and 16:9.

Chapter – In DVD-Video, a division of a title. Technically called a part of title (PTT).

Composite Video – A single video signal that contains luminance, color, and synchronization information. NTSC and PAL are examples of composite video systems.

Dolby* – a source of audio encoder technology.

Dolby Digital (also called 5.1) – a type of multi-channel surround sound format used on discs.



– the logo representing the above.

DTS – a type of multi-channel surround sound format used on discs.



– the logo representing the above.

DVD – An acronym that is most commonly known to mean Digital Video Disc or Digital Versatile Disc. The audio/video/data storage system based on 12- and 8-cm optical discs.

DVD Video – A standard for storing and reproducing audio and video on DVD-ROM discs, based on MPEG video, Dolby Digital and MPEG audio, and other proprietary data formats.

IR – An acronym for infrared. Pertains to the type of remote that sends/receives commands on an infrared light beam.

Letterbox – The projected aspect ratio of feature films is often wider than 525 or 625 line video formats. It is becoming common practice to transfer films to video with black borders at the top and bottom of the picture. The film picture becomes a “letterbox” within the video.

MPEG – a type of data compression used for audio or video storage on disc.

MP3 – MPEG-1 Layer III audio. This is a compressed audio format that allows you to record many hours of music on a single CD.

NTSC – An acronym for National Television System Committee. The organization that developed both the American Black & White and Color television system.

PAL – An acronym for Phase Alternate Line. This is one of several composite video systems. The PAL format is used extensively in Western Europe.

PCM – An uncompressed, digitally coded representation of an analog signal. This is the form of the digital audio signal used for both CD and laserdisc. It is a serial data stream that is coded for transmission or recording. PCM is also used for many other types of serial data communications.

*Dolby and the double-D symbol are trademarks of Dolby Laboratories. Manufactured under license from Dolby Laboratories. Confidential unpublished works. 1992-1997 Dolby Laboratories. All rights reserved.

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MPEG Layer-3 audio compression technology licensed by Fraunhofer IIS and THOMSON multimedia.

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S-video – A video interface standard that carries separate luminance and chrominance signals, usually on a four-pin mini-DIN connector. Also called Y/C. The quality of S-video is significantly better than composite video since it does not require a comb filter to separate the signals. Most high-end televisions have S-video inputs.

Title – numbered elements of the DVD contents, which may include more than the movie alone.

Track – Individual selections recorded on an audio tape or disc.

For your records

Serial numbers are located on the bottom of the media center and the rear of the Acoustimass® module.

Media center serial number: _____

Acoustimass module serial number: _____

Dealer name: _____

Dealer phone: _____ Purchase date: _____

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

Unpacking

Carefully unpack your system. Save all packing materials, which provide the safest way to transport your system as needed.

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

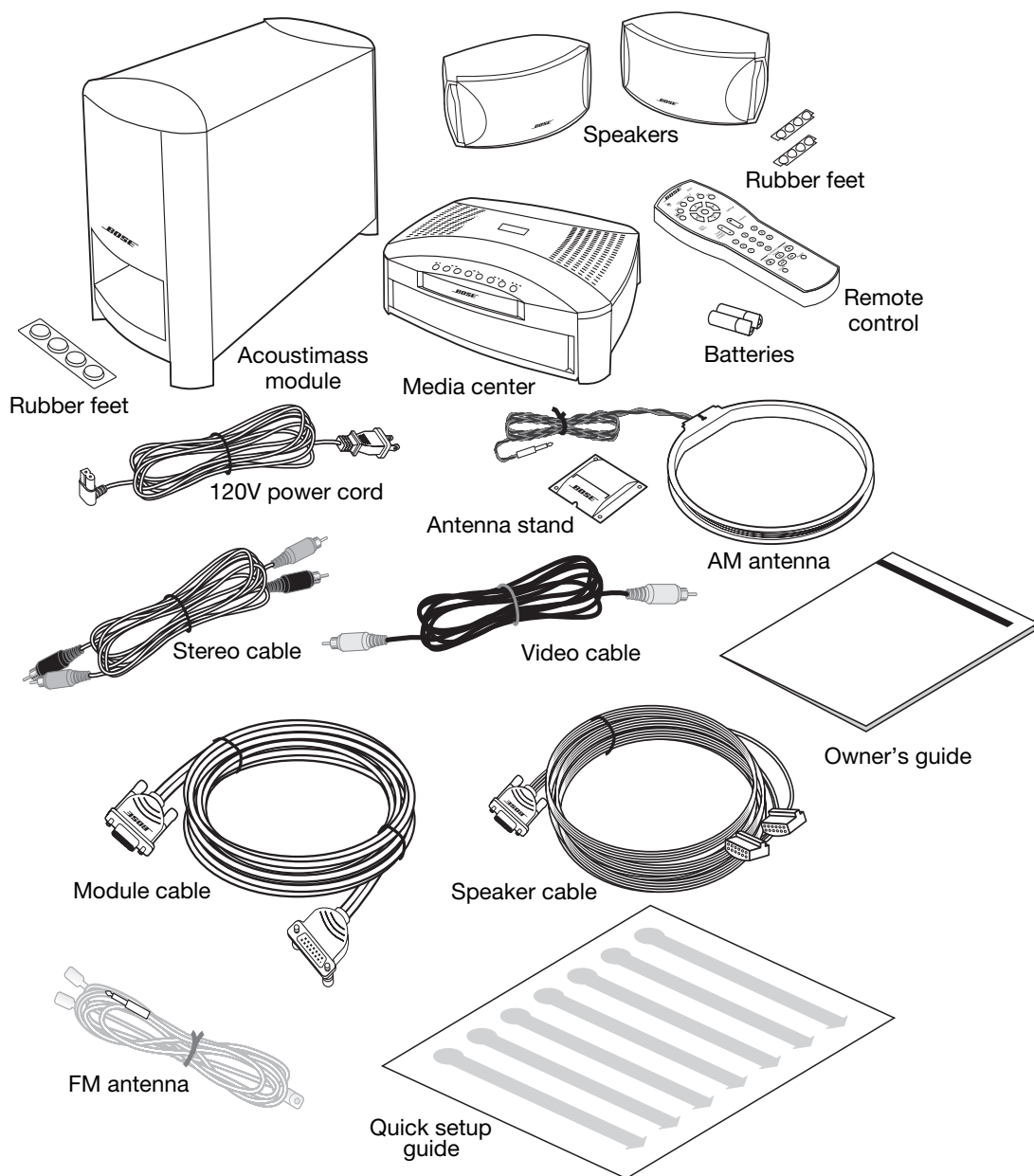
If any part of the system appears damaged, do not attempt to use it. Notify Bose® or your authorized Bose dealer immediately. For Bose contact information, refer to the address sheet included in the carton.

Check to be sure your system includes the parts shown in Figure 1.

Note: Now is a good time to find the serial numbers on the bottom of the media center and Acoustimass® module. Copy those numbers onto your warranty card and in the space provided on page 7.

Figure 1

Contents of the shipping carton



Selecting locations for your Model 3•2•1 speakers and media center

Use the following guidelines to choose locations and positions for the speakers and media center.

- 🎵 **Note:** While these guidelines are offered to ensure the best system performance, you may find other placement variations that are more convenient and provide the sound you enjoy.

Keep in mind that the media center connects to both speakers and to the Acoustimass® module, while the module is the only part of this system that connects to a power outlet.

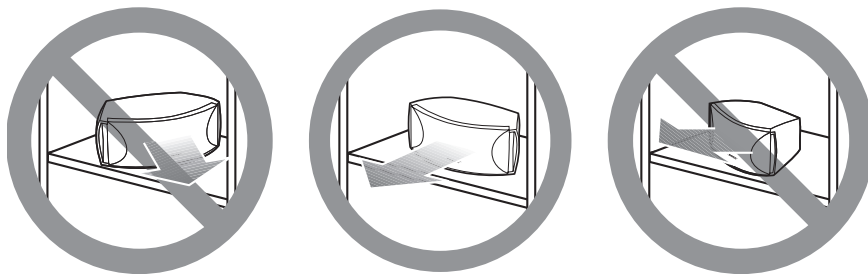
Placing the small speakers

Choosing a good location for the speakers will allow you to experience the audio spaciousness and surround effects that your Model 3•2•1 home entertainment system is designed to deliver.

- Be sure to face each speaker straight ahead (toward the listening area), so it can cover the broadest listening area (Figure 2).

Figure 2

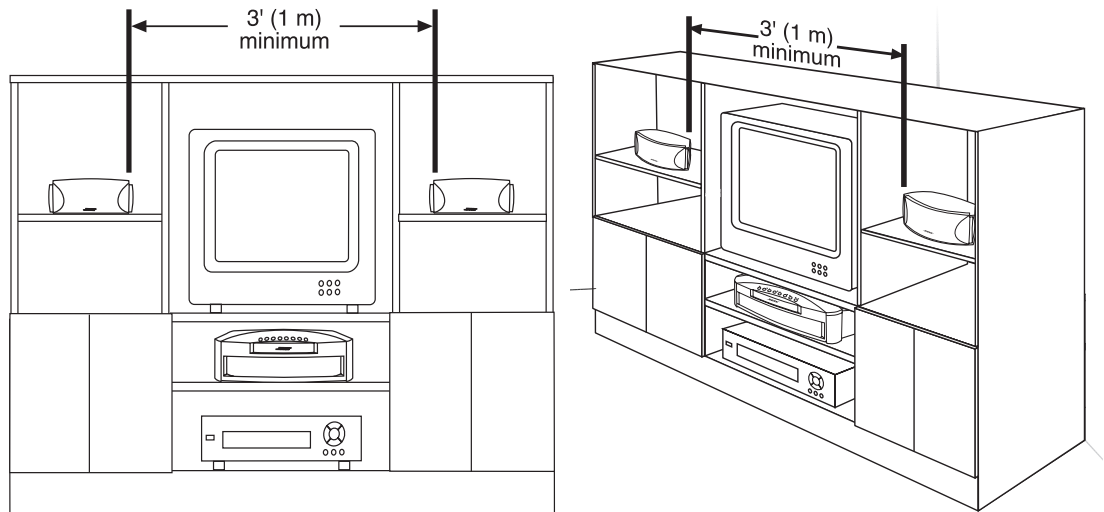
Placement



- 🎵 **Note:** Angling one or both speakers into or away from the listening area significantly alters system performance.

Figure 3

Placement of the small speakers near a flat wall or in a corner position



- If you are using a bookshelf or a home entertainment unit, place each speaker at the front edge of its shelf.

- 🎵 **Note:** Positioning these speakers farther back in an enclosed space can change the overall quality of sound and alter the movie effects.

- ⚠️ **CAUTION:** Choose a stable and level surface for both speakers. Vibration can cause the speakers to move, particularly on smooth surfaces like marble, glass, or highly polished wood. If you are placing the speakers on a flat surface, be sure to attach the smaller of the two sets of supplied rubber feet to the bottom surface. You may obtain additional rubber feet (part number 178321) from Bose® Customer Service. To contact Bose, refer to the list of offices included in the product carton.

- Place the speakers on top of the TV or to the left and right of your TV screen (refer to Figure 3 on page 9) and at roughly equal distance from it.

♪ **Note:** *The speakers are magnetically shielded to prevent interference when they are on or near the TV.*

- Maintain at least 3 feet (1 meter) of space between the two speakers.
Place the speakers up to 3 feet (1 meter) from the edges of the TV screen.
Bose® recommends a maximum distance of 3 feet from each speaker to the edge of the TV screen to prevent the sound from becoming too separated from the picture. You may vary this distance, however, based on room conditions and your personal preference.
- Keep both speakers at approximately the same height.

The small speakers are designed to sit only on their bottom surface (Figure 4). In that position (with the Bose logo right side up), they can also be mounted on optional Bose brackets, table stands, or floor stands. For details and ordering information, refer to Accessories on page 40.

Figure 4

Recommended orientation of the speakers



Media center placement

Place the media center where nothing obstructs opening the disc tray on its front panel.

Be sure it is within reach of the cables connected to the Acoustimass® module and the speakers. Make sure it is close enough to additional source components (TV, tape player, VCR) for all the cables to reach.

If additional audio cables are needed for these connections, contact Bose or your dealer. To contact Bose, refer to the list of offices included in the product carton.

Placement choices for the Acoustimass® module

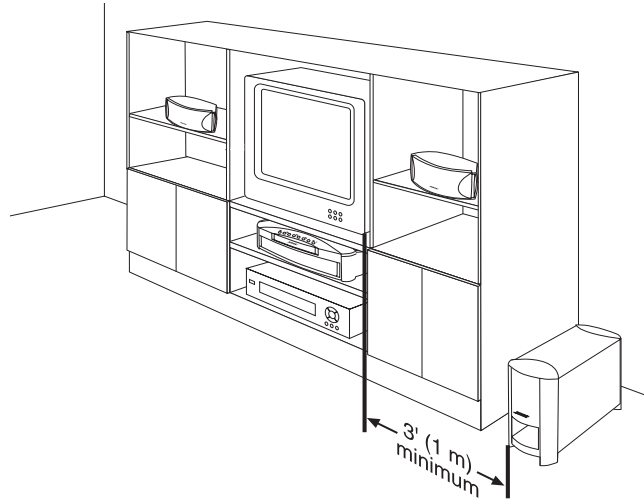
Consider the guidelines below when choosing a location for the module.

Make sure to place it:

- within reach of the cables to the music center and an AC (mains) power outlet
- at the same end of the room as the TV and the speakers (Figure 5)
- a minimum of 3 feet (1 meter) from the TV to prevent interference from the module, which is not magnetically shielded

Figure 5

3-foot distance between the Acoustimass module and the TV



Attach the medium-sized rubber feet to the bottom of each foot on the module. The rubber feet provide increased stability and protection from scratches.

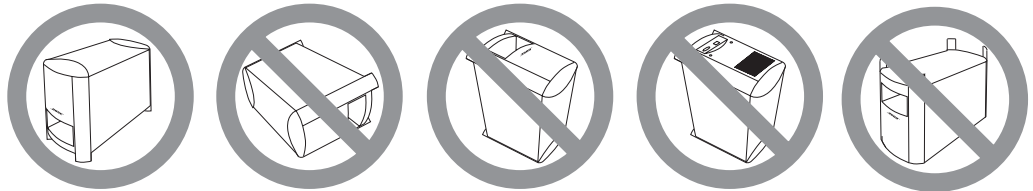
CAUTION: The Acoustimass module generates a magnetic field. Although this is not an immediate risk to your video tapes, audio tapes, and other magnetic media, you should not store any of these items directly on or near the module.

Keep the port and ventilation openings free and unimpeded:

- Choose a location that is convenient (under a table, behind a sofa or chair, screened by drapes) but will not block the ventilation openings of the module.
- Aim the port of the module into the room or along the wall. This prevents a blocked port or over-powering bass.
- Stand the Acoustimass module on its feet. Do not lay it on its side or stand it on either end (Figure 6).

Figure 6

Recommended orientation for the module



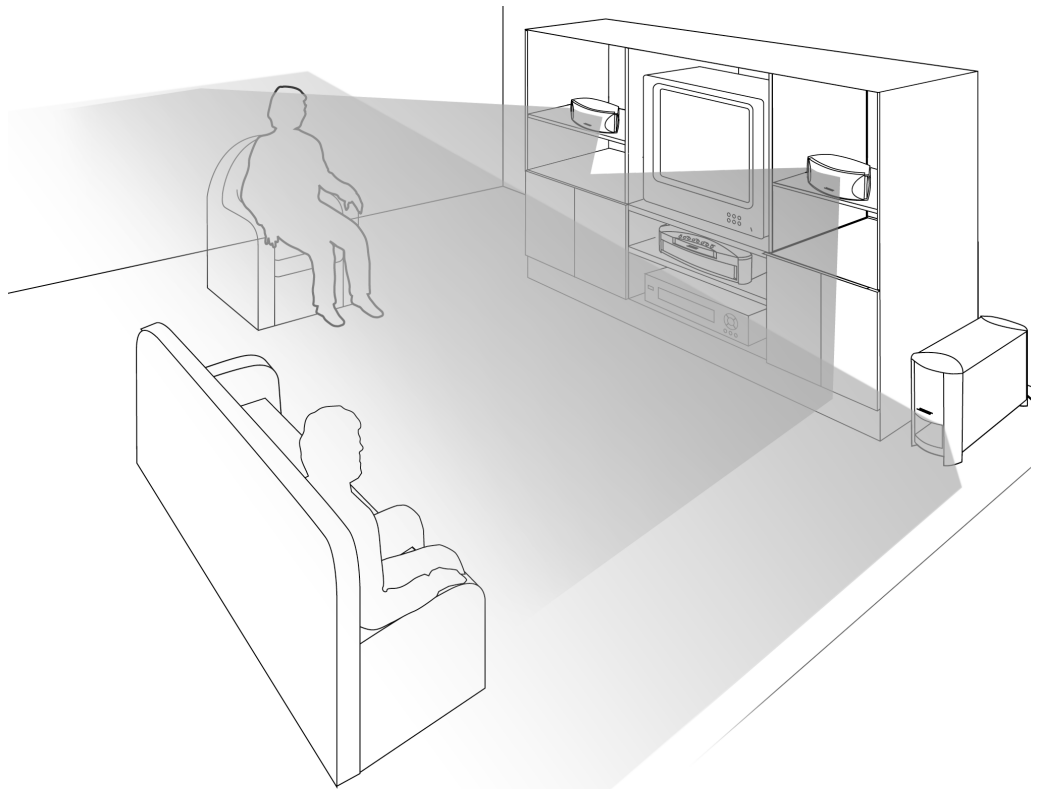
CAUTION: Do not block the openings on the back of the module, which provide ventilation for the built-in circuitry.

When the system setup is completed

With the speakers and media center placed as directed, you can enjoy the freedom to sit, recline, or move about in the room without missing a note.

Figure 7

System placement for ideal coverage



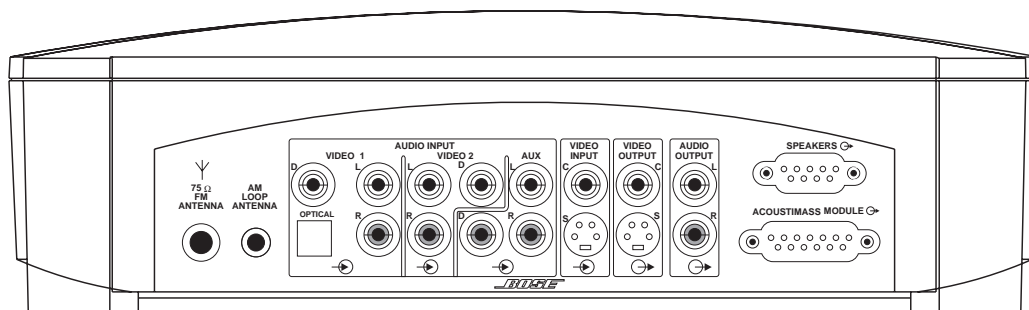
⚠ CAUTION: Be sure to read the section on making connections before you plug in the system.

Making the connections

Labeled jacks on the rear of the media center (Figure 8) and the custom cables supplied with the Model 3•2•1 system make it easy to get everything hooked up right the first time.

Figure 8

Connection panel on the rear of the media center



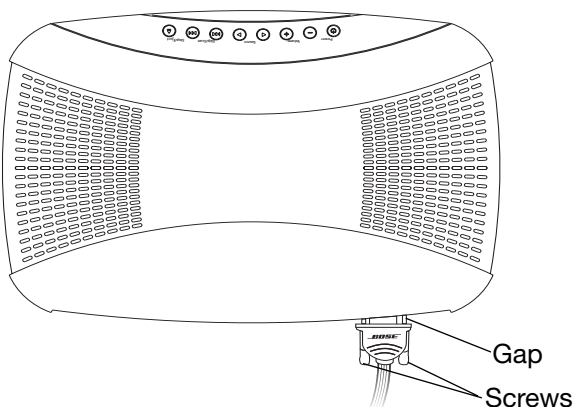
Follow these basic steps

1. On the rear panel of the media center, insert the single-plug end of the speaker cable into the SPEAKERS connector (Figure 8). Tighten the screws on either side of the plug to ensure a snug connection (Figure 9).

Note: When properly inserted, there will be a small gap between the plug and the panel.

Figure 9

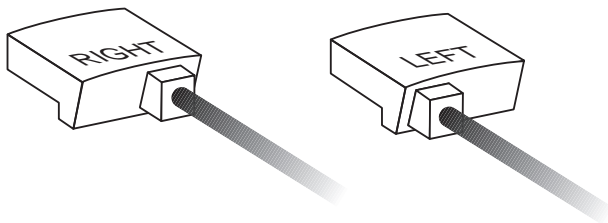
Completed connection of speaker cable to media center rear panel



2. At the other end of the speaker cable, grasp the two connectors and pull the cable apart as much as necessary to reach each speaker.
3. Plug the LEFT connector of the separated cable into the rear jack on the left speaker (to the left of the TV as you face it) and the RIGHT connector into the rear jack on the right speaker (to the right of the TV). LEFT or RIGHT is printed on the appropriate connector (Figure 10).

Figure 10

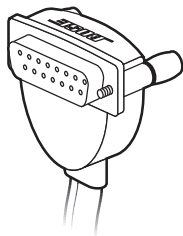
LEFT and RIGHT markings on the speaker connectors



- On the Acoustimass® module, insert the right-angle connector (Figure 11) of the Acoustimass module cable into the jack labeled MEDIA CENTER. On the rear panel of the media center, insert the other end of the cable into the jack labeled ACOUSTIMASS MODULE. Firmly tighten the two screws at each end of the cable.

Figure 11

Right-angle connector that attaches to the Acoustimass module

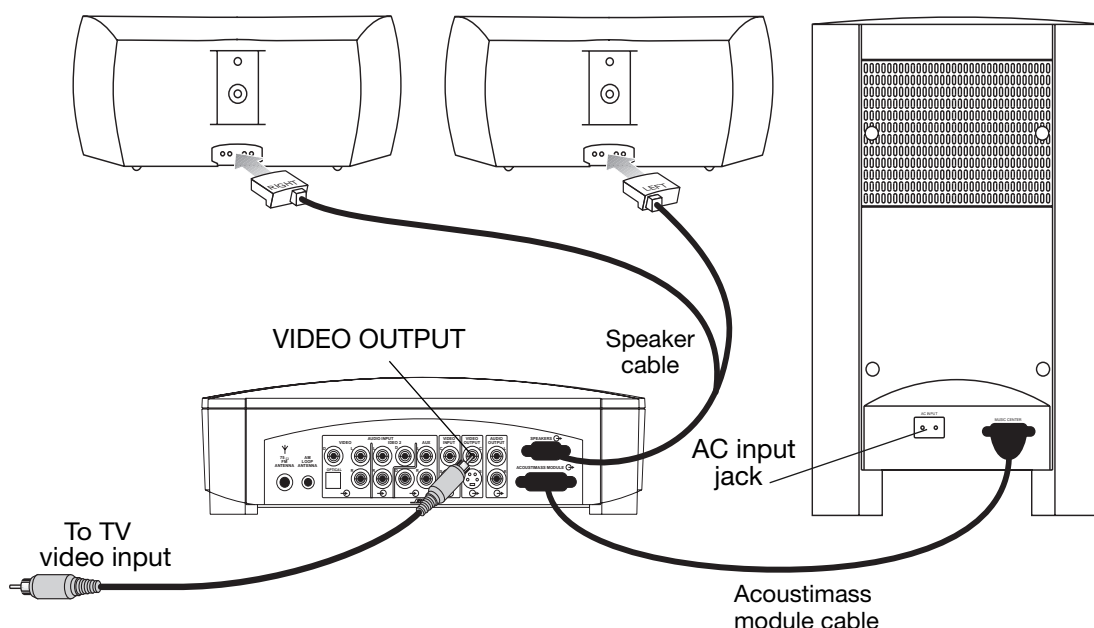


- On the rear panel of the media center, insert one end of the supplied video cable (marked in yellow) to VIDEO OUTPUT (Figure 12). Insert the other end of the cable into the video input on your TV.

CAUTION: Do not plug the Acoustimass module into an AC power (mains) outlet until all the components are connected.

Figure 12

Basic connections to the media center



Note: Before using your TV to play a DVD or other video source, be sure to read the Important Note on page 16.

S-video as an alternate means to connect to the TV

An S-video input jack, provided on many TVs, delivers a higher-quality TV picture than the composite video output connection shown above.

To make this alternate connection, insert the end of an S-video cable from the TV into the S-VIDEO OUTPUT on the media center. This cable may be purchased from your Bose® dealer or a local electronics retailer.

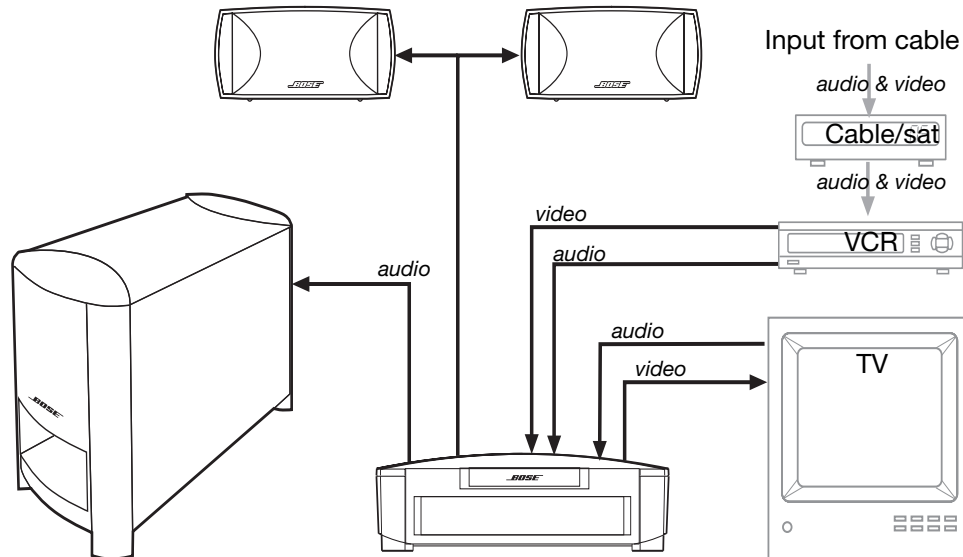
Connecting other sources

You can connect both the audio and video outputs of a VCR or other video source to the media center. A video connection will pass signals through to the TV.

A typical arrangement of components is shown in Figures 13 through 15. For additional examples of how these connections can be made, refer to “Other choices” on page 19.

Figure 13

Typical arrangement of components connecting to the media center



Other component connections

You can connect the audio output of up to three components, including your TV, directly to the media center using the Video 1, Video 2, and Aux input jacks on the rear panel.

Each input includes jacks for Left and Right analog audio and a coaxial jack for digital audio. In addition, the Video 1 input provides an optical jack for digital audio.

The jacks marked VIDEO 1 and VIDEO 2 are set automatically for movie EQ. If you connect a video source to AUX, you can still set sound for movie EQ in the Settings on-screen menu.

When connecting a component's audio to the media center jacks, remember to:

- use standard RCA audio cables
- match the red connector to the right channel (R) and the white (or black) connector to the left channel (L)
- use a Y-adapter (available at electronics stores) to connect to a mono source

For further details on making the video connections between your VCR and TV, refer to the manuals for those video components.

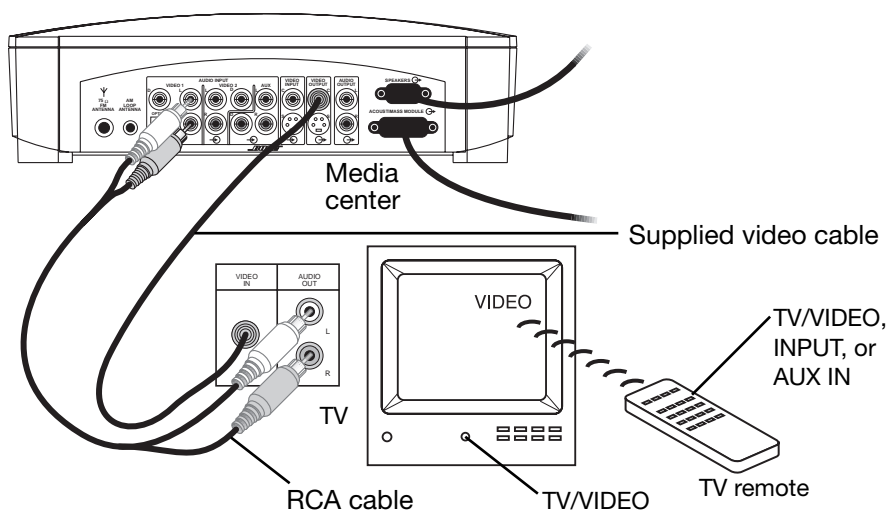
When all the components are connected to the media center, you can add the antennas and then plug in the system.

Connecting your TV to the system

The type of video connection used with your TV (Figure 14) must match the type of connection used with your VCR. If you connected your TV to the COMPOSITE VIDEO OUTPUT (using the cable with a yellow connector at each end), connect your VCR output to the COMPOSITE VIDEO INPUT. If you connected your TV to the S-VIDEO OUTPUT, connect your VCR to the S-VIDEO INPUT. If your VCR does not have an S-VIDEO output, you may be able to connect your VCR composite video output directly to your TV.

Figure 14

Connecting the Audio output from the TV to the VIDEO 1 input on the media center



Important Note: Your television **must be set** for VIDEO INPUT when playing a DVD or other video source. If it is not set properly, you may hear the sound, but will not see the DVD picture on the TV screen.

For most TV models*, there is a button labeled either "TV/VIDEO," "INPUT," or "AUX IN" (or a similar term) for you to use. When the video input is correctly selected, the word "VIDEO," "AUX," or "LINE IN" usually appears in a corner of the TV screen.

If you are unable to locate the video input of your television, please consult the manufacturer of your TV.

Also note: Some older TVs, which include a standard TV cable connector, have neither a composite video nor an S-Video input. Such TVs are not compatible with any DVD players and require use of an RF modulator for this connection, which is available at your local electronics store.

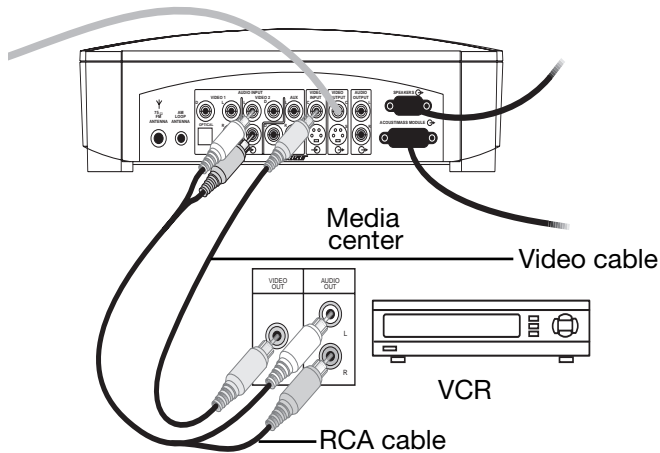
Connecting your VCR to the system

The type of video connection used with your TV and VCR (Figure 15 on page 17) must match the type of connection used with your cable/satellite box. If you connected your TV to the COMPOSITE VIDEO OUTPUT (using the cable with a yellow connector at each end), connect your cable/satellite box output to the COMPOSITE VIDEO INPUT on your VCR. If you connected your TV to the S-VIDEO OUTPUT, connect your cable/satellite box to the S-VIDEO INPUT on your VCR.

*Other TV models (in particular, some GE/RCA/Proscan models) assign the video input to channel 00 or 91, so you need to select that channel to receive the video input.

Figure 15

Connecting audio output from a VCR to the VIDEO 2 input on the media center, and the video from the VCR to the composite video input on the media center



🎵 **Note:** Do not connect the video output of your 3•2•1 system media center to a VCR; playing copy-protected DVDs may result in poor picture quality.

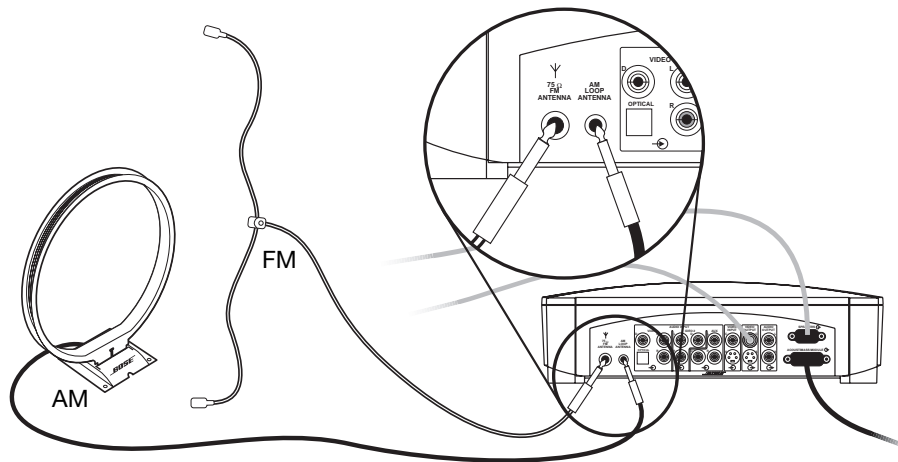
Attaching the supplied antennas

The rear panel of the media center provides jacks for AM and FM antennas (Figure 16). Unwind the wires of each antenna to ensure the best reception.

🎵 **Note:** An outdoor antenna may be used in place of the two that are supplied. To add an outdoor antenna, consult a qualified installer. Follow all safety instructions supplied with the antenna.

Figure 16

Adding the AM and FM antennas



FM antenna

Plug the connector into the FM antenna jack on the media center rear panel. Spread out the antenna arms at the other end and move them around to establish optimum FM reception. Extend the antenna as far from the media center and other external equipment as possible.

AM antenna

1. Plug the connector into the AM antenna jack on the media center.
2. Move the antenna loop as far as possible, at least 20 inches (50 centimeters) from the media center and at least 4 feet (1.2 meters) from the Acoustimass® module. Experiment with positioning the loop for optimum AM reception.
3. Follow the instructions enclosed with the AM loop antenna to stand it on the supplied base, or mount it to a wall.

Connecting cable FM radio

Some cable TV providers make FM radio signals available through the cable service to your home. This connection is made to the external FM jack on the back panel of the media center. To connect to this service, contact your cable TV provider for assistance.

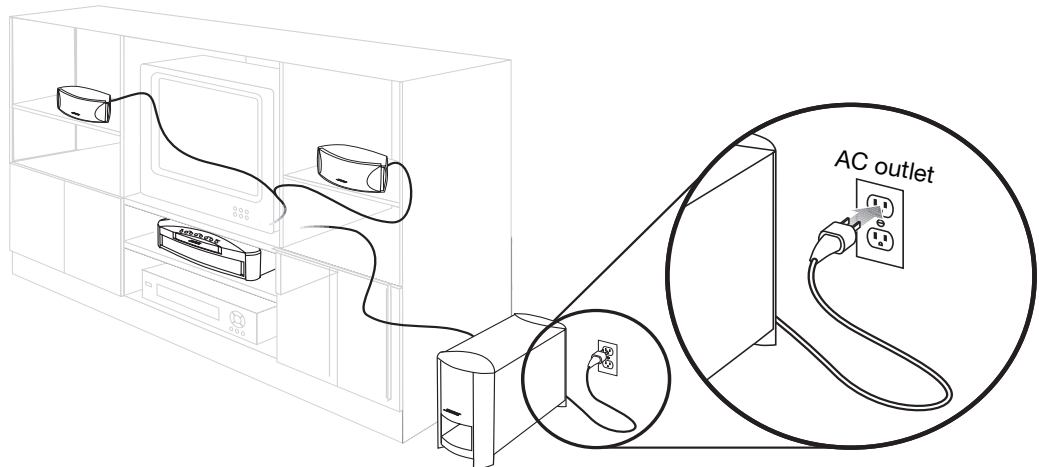
🎵 **Note:** Make sure that the cable radio installation includes a signal splitter so that only the FM radio band, not the cable TV band, is received by the media center. If necessary, contact a qualified installer.

Make the power connection after all the others

To make the final connection, insert the small connector end of the power cord into the AC INPUT jack on the module (refer to Figure 12 on page 14). Insert the large end of the cord into an AC power (mains) outlet (Figure 17).

Figure 17

Power cord as the final connection



Turning off the internal speakers in your TV

When you listen to TV sound through your 3•2•1 system, the speakers in your TV should not be on. Use the on-screen menus in your TV to select INTERNAL SPEAKERS: OFF (the exact on-screen message may be different for different TVs). Refer to your TV owner's guide for detailed instructions.

If your TV does not have an option to turn off the internal speakers, you can reduce the volume of your TV to its lowest setting.

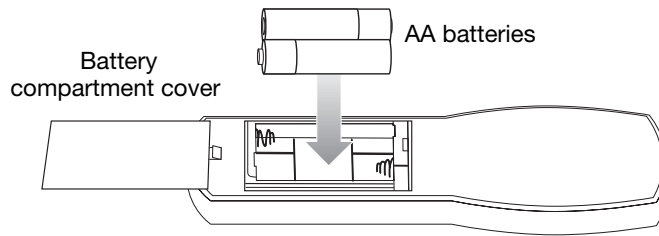
Installing remote control batteries

1. On the back of the remote, slide open the battery compartment (Figure 18).
2. Insert the two supplied AA (IEC-R6) 1.5V batteries, or their equivalent, as shown. Match the plus (+) and minus (-) marked on the batteries with the plus (+) and minus (-) inside the battery compartment.
3. Slide the battery compartment cover back into place.

Note: Replace the batteries when the remote control stops operating or its range seems reduced.

Figure 18

Installing the batteries



Other choices

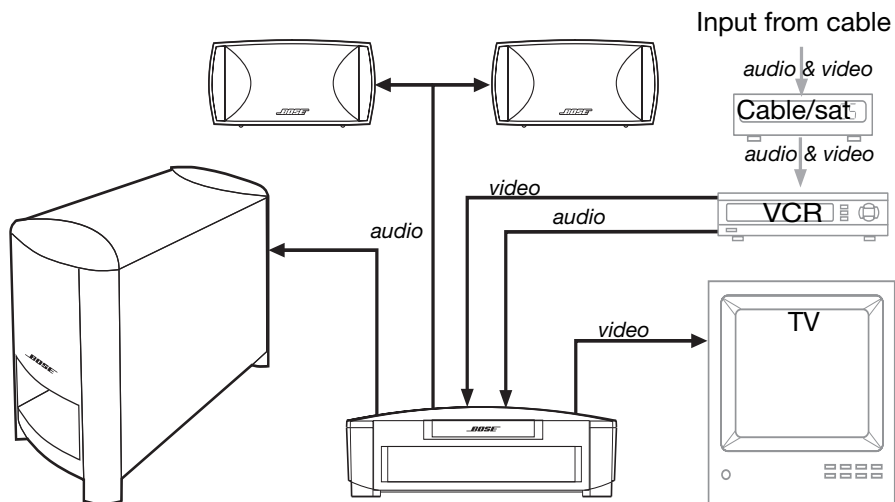
The 3•2•1 system is designed to deliver high-quality home entertainment free of complexity and complications. But it also provides the flexibility for you to add other components in a variety of configurations.

The following illustrations show two additional means of connecting equipment to the media center.

In Figure 19 below, both audio and video from a cable or satellite box are routed through the VCR. Audio from the VCR is connected to the media center, while the TV audio is not. Any non-cable/satellite TV sound comes directly from the TV, while you enjoy the benefits of Bose® sound with any cable/satellite or VCR programs.

Figure 19

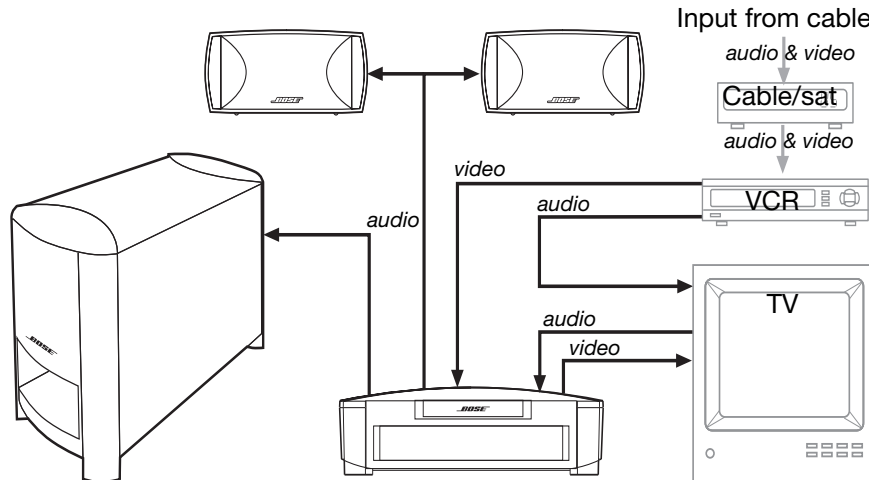
The media center receives audio signals from the cable or satellite box and the VCR, but not from the TV



In Figure 20, the audio from both the cable or satellite box and the VCR is routed to the TV, and the TV audio is connected to the media center. This delivers all of the video source sound through one jack (for instance, VIDEO 1) on the media center. This allows you to use just one button on your remote to select the sound from any video program you play.

Figure 20

The media center receives all audio-for-video signals directly from the TV

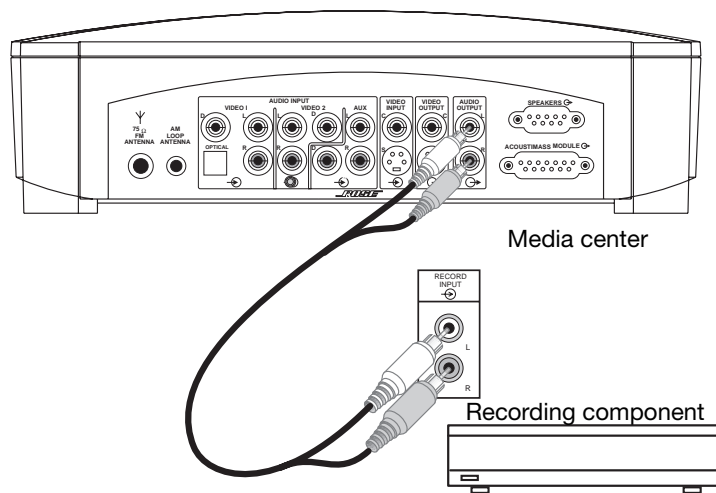


Connecting recording equipment

The rear panel of the media center provides audio output (RECORD) connections for audio recording (Figure 21).

Figure 21

Record/playback connections

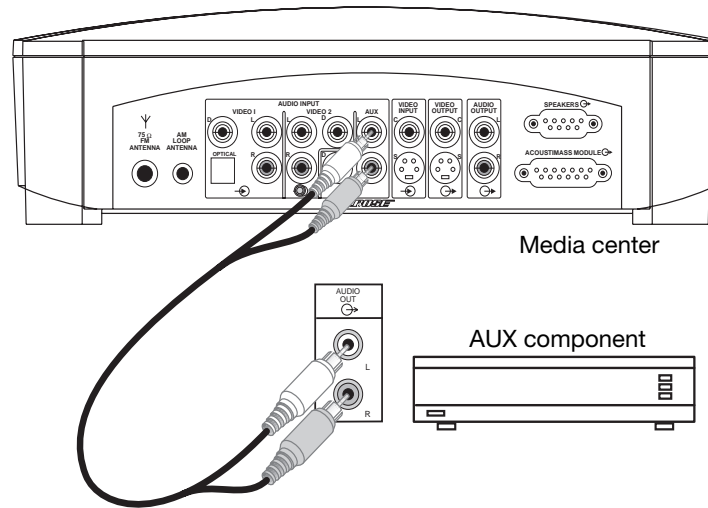


Connecting other playback equipment

Other playback components, such as an audio CD changer, can be connected to the AUX inputs on the rear panel of the media center (Figure 22).

Figure 22

AUX input connections



Connecting digital audio components

Your other audio components may feature a digital audio output. If so, you can connect an optical output to the OPTICAL jack of the VIDEO 1 INPUT or a coaxial output to the coaxial jacks of VIDEO 1, VIDEO 2, or AUX on the rear panel of the media center. Use an optical digital cable or coaxial cable to make these connections.

Note: The digital audio inputs of this system are not able to decode a DTS bitstream from an external component.

On/Off controls

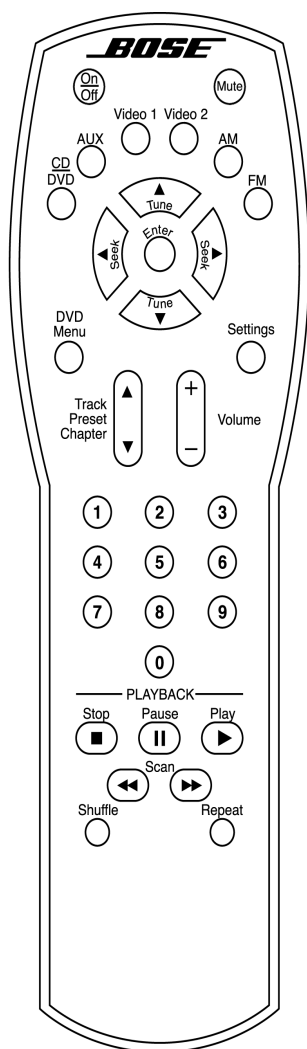
Press the **On/Off** button on the remote to turn the media center on. The **Power** button on top of the media center performs the same function.

To turn on components connected to the media center, use the remote for that specific component or its power switch.

Note: Neither the Model 3•2•1 remote nor the media center can switch components, such as the TV or VCR, on or off. However, a universal remote (new enough to include codes for the Bose Model 3•2•1 system) or programmable "learning" remote can control this system.

The remote control

Buttons on the remote control are grouped according to function. Other buttons on the media center provide some of the same controls as described below.



POWER and MUTE controls



Switches the system on or off.



Mutes/unmutes the system volume.

SOURCE controls



Selects the built-in CD/DVD player and turns the system on.
Unmutes the system volume.



Selects AUX as the sound source and turns the system on.
Unmutes the system volume.



Selects Video 1 as the sound source and turns the system on.
Unmutes the system volume.



Selects Video 2 as the sound source and turns the system on.
Unmutes the system volume.

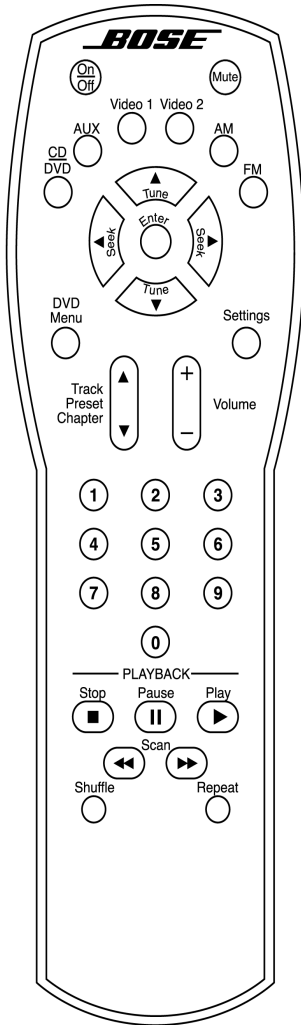


Selects the built-in tuner and turns the system on to the previously-selected AM station.
Unmutes the system volume.



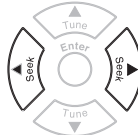
Selects the built-in tuner and turns the system on to the previously-selected FM station.
Unmutes the system volume.

SOURCE and MENU controls



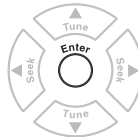
Tunes the AM/FM radio up/down to the next higher/lower frequency.

In an on-screen menu, selects the next item, up or down.



Seeks forward/backward to the next strongest radio station.

In an on-screen menu, changes the setting of a selected menu item.



Enters submenus. Also submits custom settings, choices, or entries in conjunction with other buttons.



Displays the menu of the DVD disc currently loaded in the tray, as the particular DVD allows.

Settings



Displays or exits the Bose 3•2•1 system on-screen menus.



Skips to the next/previous DVD chapter, radio station preset, or CD track.

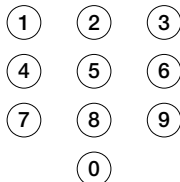


Volume

Raises or lowers the system volume.

+ Unmutes the system volume. Raises the volume.

– Lowers the system volume while it is muted.



Each button gives you access to a similarly numbered DVD chapter, CD track, or radio station preset.

When selecting numbers 1 through 9, entering a zero before the number ensures the fastest response.

PLAYBACK controls

Stop



Stops the disc player and, *for DVDs only*, temporarily holds the place where the disc stopped. Press Stop again and the player moves to the beginning of the disc.

Pause



Pauses the disc player in place. After 20 minutes, switches to Stop.

Play



Starts the disc player.

Scan



Scans back or forward for DVD chapters, CD tracks, or the next strongest radio station.

Shuffle



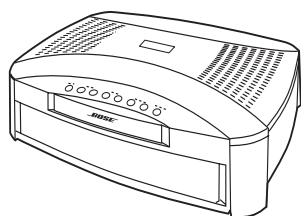
Plays audio CD tracks (not DVD chapters) in varied order. Press again to cancel this mode.

Repeat



Repeats a CD, CD track, DVD chapter, or DVD title until the button is pressed again.

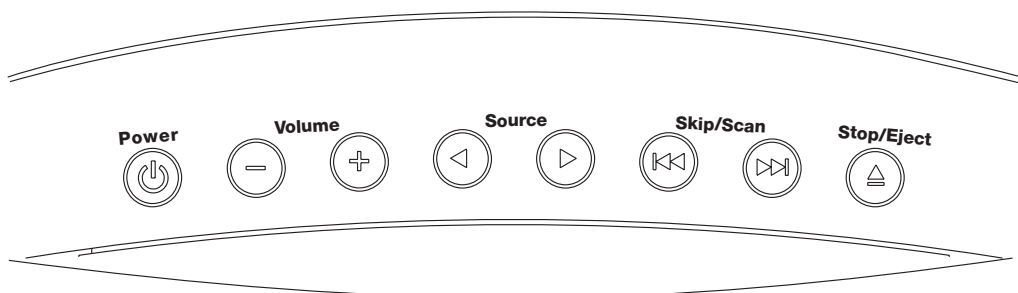
The media center



The media center has a control panel on the top, a display area on the front that indicates the current status of the system, and a DVD/CD tray that opens on the front of the console.

Control panel and buttons

The media center has eight buttons located on the top control panel. Their functions are also provided through use of the remote control.



Turns the system on or off.



Raises/lowers the volume. Pressing + unmutes the system.



Moves from one source selection to the next.



Selects the previous/next DVD chapter or CD track or scans to previous/next strongest radio station.
In AM or FM mode: tap to seek a radio station; hold down to tune to a station.
In CD/DVD mode: tap to skip tracks or chapters; hold down to scan them.



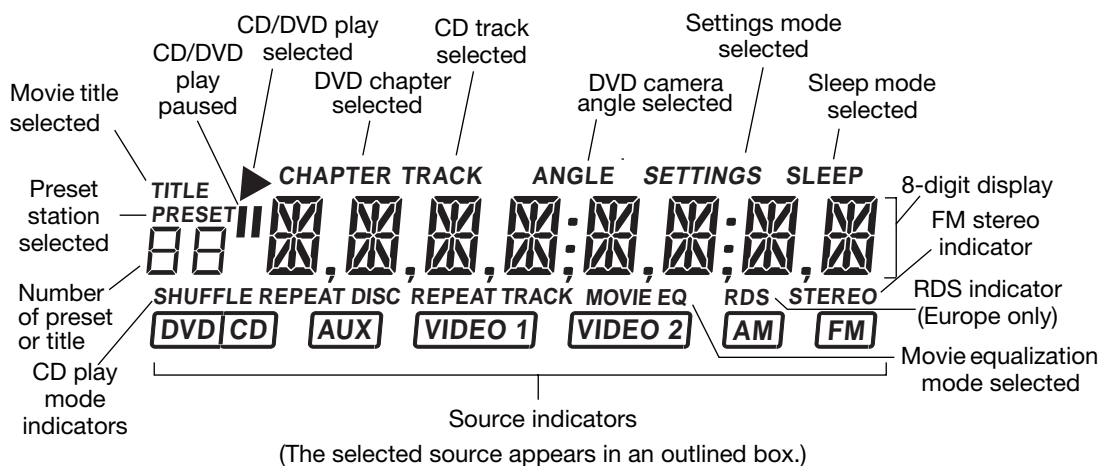
Opens/closes the disc tray.

Display indicators

With the system turned on, the music center display lights up to show the current system status. Not all of the possible choices shown below will light up at once (Figure 23). The display changes with each adjustment or selection you make.

Figure 23

All of the possible symbols that may appear, depending on the current status of the system



TV on-screen menus

With both the TV and the Model 3•2•1 system turned on, you can use menus that appear on the TV screen to choose among options for audio and video performance.

To enter the Settings menu

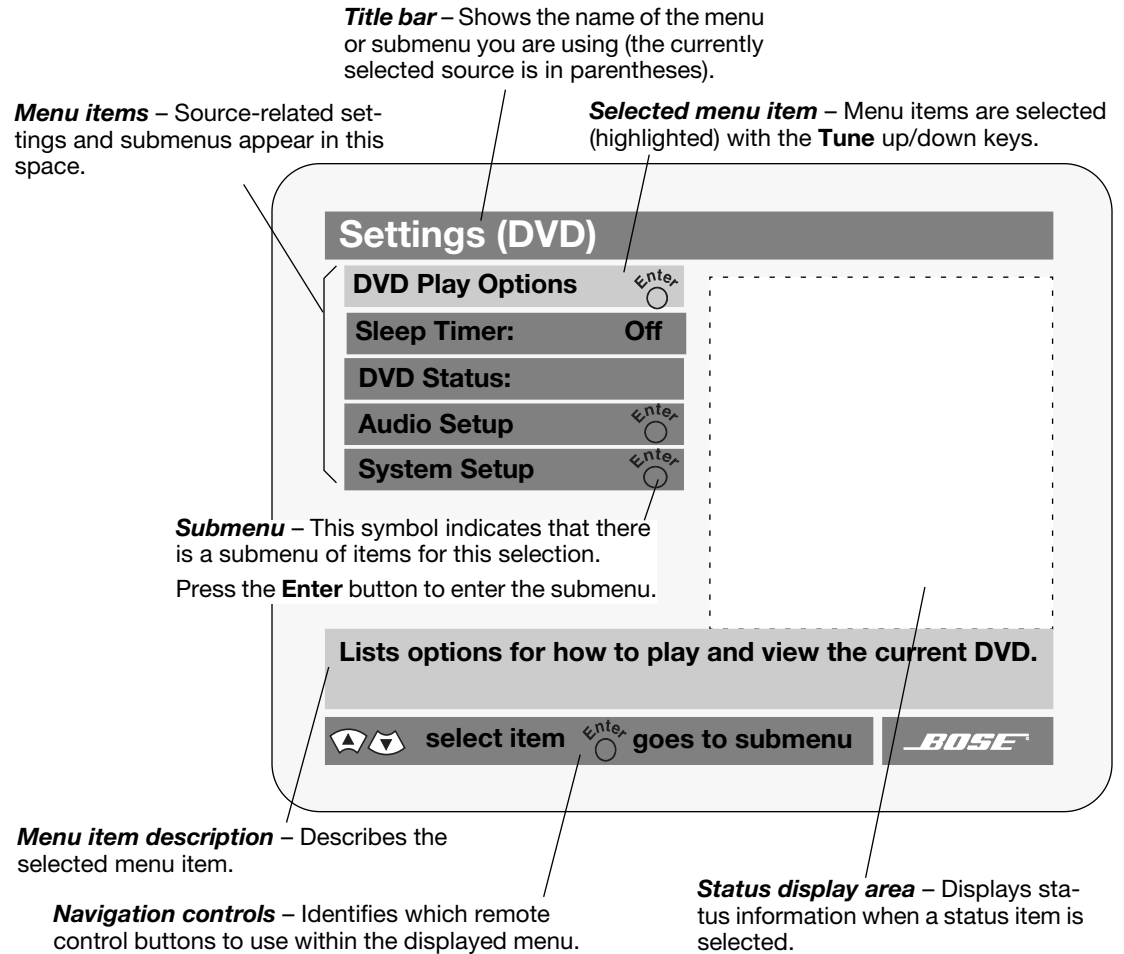
Press the **Settings** button on the remote. The displayed menu will contain items related to the currently selected source. For example, if you press **Settings** while watching a DVD, you will see a menu similar to the one in Figure 24.

To leave the Settings menu


Press the **Settings** button again. The on-screen menu disappears.

Figure 24

Elements of the on-screen menu displays



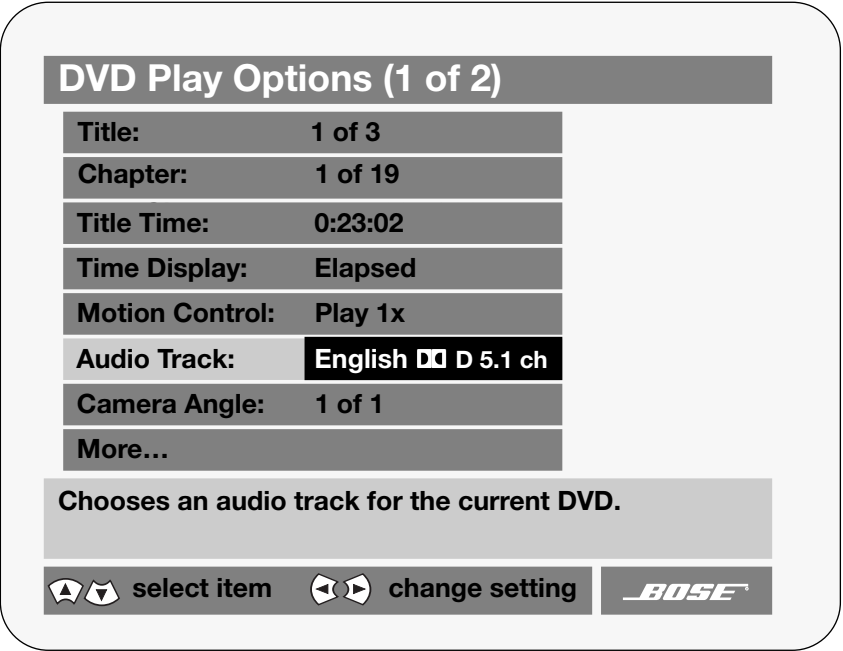
To select a menu item

Use the remote control **Tune** ▲ or ▼, **Seek** ◀ or ▶, and **Enter**  buttons (as described on page 23) to move through these menus and make selections, as shown in Figure 24.

To change a setting

Figure 25

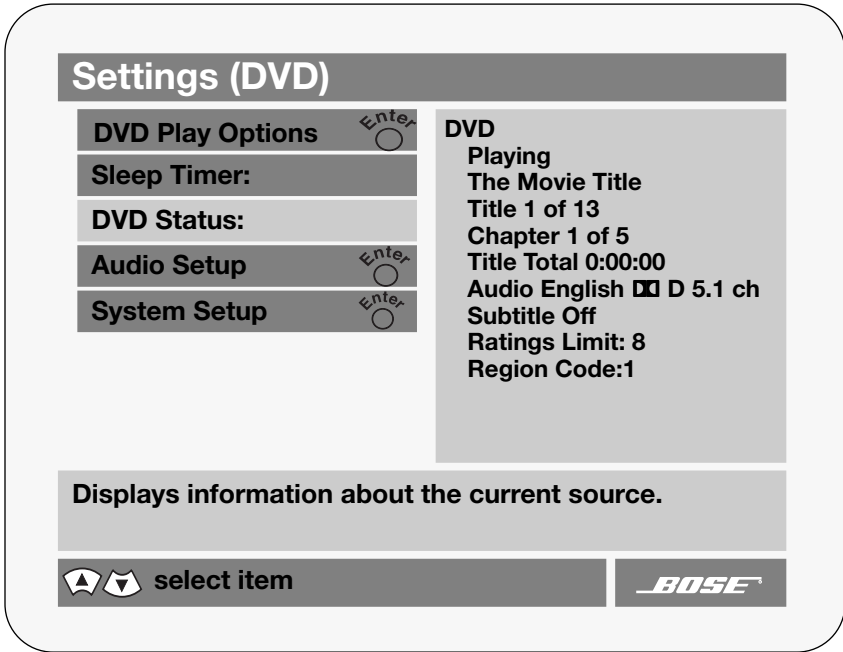
Example of changing a setting





To check the system status

Figure 26

A DVD status example



Turning your system on and off

You can turn your system on and off using the **On/Off** button () on the remote control or the power button () on top of the media center. When you turn it on with either button, the source that was played last is automatically selected.

You can also press any source button on the remote to turn the system on and select the source at the same time.




Before you play your first DVD


Before you play the first DVD, make sure:

- that you are familiar with how the system remote control operates (as explained on page 22).
- the region codes for the DVD player and disc match, as explained on page 5 of this guide. (Check the region code number on the media center label or on the shipping carton.)
- the TV is properly set for video input from the DVD player (see the Important Note on page 16).

Before you select some system features, you also may want to confirm that the disc is encoded for that feature. For example, in order to display subtitles while watching a movie, the disc must contain subtitle information.

Loading and playing a DVD

1. Turn your television and Model 3•2•1 system on.
2. On the remote, press the **CD/DVD**  button.
3. On the media center control panel, press the **Stop/Eject**  button.
4. Place the DVD disc in the open media center tray.
5. Press the **Stop/Eject**  button again to close the tray.

The DVD disc begins to play automatically. If it does not, press **Play**  on the remote.

Basic DVD operations

If you want to:

Pause a DVD movie...

Stop a DVD movie...

Skip to the next/previous chapter...


Repeat a chapter...

Search through the movie backward or forward...

Use the remote to do this:

Press **Pause** 

Press **Stop** 

Press **Chapter**  up/down.

Press **Repeat** while playing the chapter.

Press and hold **Scan**  or 

Using the Parental Control feature to restrict future play

You can restrict playback of DVD movies by setting the level of Parental Control.

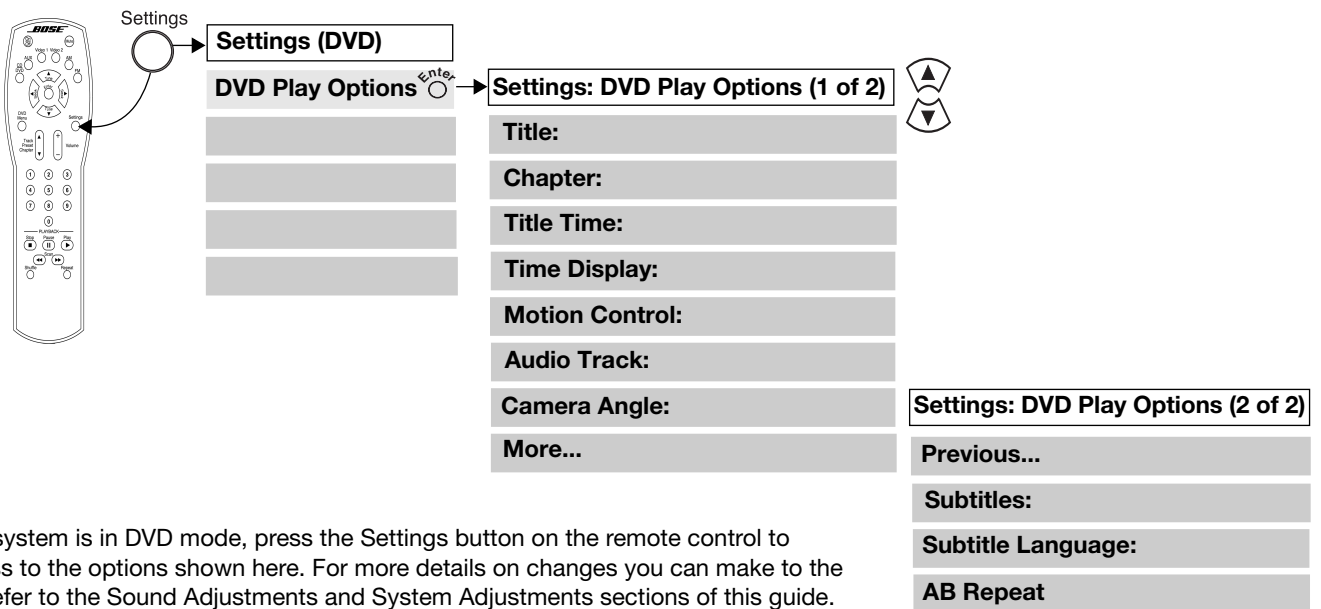
The levels match ratings on each DVD that are equivalent in many cases to standard movie ratings provided by the Motion Picture Association of America (MPAA). These levels range from 1 (most restrictive) to 8 (least restrictive). By storing a password in the system, you can prevent any changes to the Parental Control setting or the viewing of movies rated above the control level without use of the password.

For information on where to find and how to use the Parental Control option, refer to the System Adjustments section on page 35.

DVD-specific behavior

When you select features from any options menu while watching a movie, the movie may stop, skip forward, or skip back. This behavior is determined by the DVD you are playing and does not indicate a problem with the system.



DVD play options



Selection:	DVD setting options:	What the setting affects:
Title:	1 of n	Chooses the movie title through use of the number keys.
Chapter:	1 of n	Chooses the movie chapter through use of the number keys.
Title Time:	h:mm:ss	Moves to that time/place in the movie.
Time Display:	Elapsed	Shows how much time the movie has played in the on-screen DVD status and on the media center display.
	Remaining	Shows how much time the movie has left to play in the on-screen DVD status and on the media center display.
Motion Control:	<<Scan/ <<4x/ <<2x/ Pause/ Play1x/ 2x>>/ 4x>>/ Scan>>	Chooses forward or backward direction and speed for DVD playback.
Audio Track:	1 English 5.1 ch 2 Lang2 3 etc.	Chooses from the available soundtracks on the DVD. Additional soundtracks may contain different languages or alternate audio formats.

Camera Angle:	1 of max.	Chooses one of the available camera angles on the DVD.
More...	selection	Displays remaining menu items.
Previous...	selection	Displays initial menu items.
Subtitle:	On Off	Displays subtitles, if available, along the lower screen edge. Hides subtitles. For use with Auto subtitles (refer to on page 36).
Subtitle Language:	Lang1/ Lang2/ etc.	Chooses one of the available languages for display of subtitles
AB Repeat	selection	Repeats a specified section of a movie after prompting you to: <ul style="list-style-type: none"> Press Enter at the beginning of the section you want to repeat. Move forward or back to another point in the film Press Enter again. Replay ends when you press Enter , Play , or Stop .

Loading and playing a CD

1. On the remote, press the **CD/DVD** button.
2. At the media center, press the **Stop/Eject**  button.
3. Place the audio CD in the open disc tray.
4. Press the **Stop/Eject**  button to close the disc tray.

The CD will start to play automatically. If it does not, press **Play** .

While playing a CD, the display window on the media center indicates:

- Track number
- Track time
- Repeat or Shuffle mode

Basic CD operations

If you want to:

Use the remote to do this:

Pause a CD...

Press **Pause** 

Resume play of paused CD...

Press **Pause**  again or **Play** 


Stop a CD...

Press **Stop** 


Go to next track...

Press **Track**  up

Go to beginning of current track...

After track has played for several seconds, press **Track**  down.


Go to a previous track...

If track has played for several seconds, press **Track**  down twice. If not, press once.


Scan a CD backward/forward...

Press and hold **Scan**  or 

Randomly play CD tracks...

Press **Shuffle**  after loading a CD.

Cancel random play...

Press **Shuffle**  again, while in that mode.


Changing CD settings

While the system is in CD mode, press the Settings button on the remote control to gain access to the options shown here. For more details on changes you can make to the settings, refer to the Sound Adjustments and System Adjustments sections of this guide.



Selection:	CD setting options:	What the setting affects:
Sleep Timer:	Off mm:ss	Timer not set. Set to turn system off (not the components) when time (01:00 to 90:00 minutes) expires.
Track:	1 of n	Chooses the CD track by number.
Track Time:	h:mm:ss	Moves to that time/place in the track.
CD Status	selection	Displays information about the CD source.
Audio Setup	selection	See Sound Adjustments on page 33.
System Setup	selection	See System Adjustments on page 35.

Using the sleep timer

Your system includes a sleep timer which can be set to turn your system off automatically after 1 to 90 minutes of listening to any source. This timer can be accessed through the Settings menu. See “Locating system settings” on page 35.

 **Note:** Remember that system controls, like the sleep timer, will not turn off the TV or other sound source components.

Using the radio

Press  or  on the remote to select the radio tuner. If the system is off, this will turn it on to the most recently selected station in that band.



Tuning

You can tune to a radio station in the following ways:

If you want to:

Do this:

Switch bands

Press  or  on the remote for the band you want.

Seek the strongest stations

Press and hold **Seek** ◀ or ▶ on the remote until the radio begins seeking. Release to stop at the next strongest station.

To stop sooner, briefly press **Seek** ◀ or ▶.

To begin seeking again without holding down the skip button, briefly press **Seek** ◀ or ▶ again as soon as the first seek operation stops.

Manually tune to a station

Press **Tune** ▲ or ▼ on the remote.

Select a preset station

Press **Preset**  or

Press that number on the keypad.

While the system is in AM or FM mode, and the TV is on, you can press the Settings button on the remote control to gain access to the options available for that band. For more details on changes you can make to the settings, refer to the Sound Adjustments and System Adjustments sections of this guide.

Storing preferred stations as preset selections

For radio stations that you listen to regularly, you can assign a preset number (1-25 in the AM band and 1-25 in FM) to tune to them quickly.

To store a particular station:

1. Tune to that station using the **Tune**, **Seek**, or **Scan** buttons on the remote.
2. Press **Enter**. A preset number blinks while **STORE?** appears on the media center display.
3. Press **Enter** to store the station to that blinking number.

 **Note:** If you want to change the station assigned to a particular preset number, you must first delete the station already assigned to it.

To erase the station assigned to a particular preset number:

1. Tune to the preset station.
2. Press **Enter**. The preset number blinks while **ERASE?** appears on the media center display.
3. Press **Enter** to remove the station from that assigned preset number.
That number is now available for storing a different station.






Selecting a preset station

You can select preset stations using the remote control or the on-screen settings menu.

To select a preset with the remote control:

- Using the numbered keys on the remote control, press the number(s) for the preset station you want to hear.
- Press **Preset** up or down to change the preset number.

To select a preset using the settings menu:

1. Press  or  on the remote to select the FM or AM source.
2. Press . (Make sure your TV is on.)
3. Press  to select **Preset**.
4. Press  to step through the preset stations.

Changing FM settings

Selection:	FM setting options:	What the setting affects:
Sleep Timer:	Off	Timer not set.
	mm:ss	Sets timer to turn off when time (01:00 to 90:00 minutes) expires.
Station:	----	Tunes to that station frequency.
Preset:	1 of 25	Tunes to the stored preset station.
FM Status	selection	Displays information about the FM source.
RDS info: (for Europe only)	On	Makes RDS information appear in media center display.
	Off	Makes RDS information not appear on media center display.
Output mode:	Stereo	Always plays the FM broadcast in stereo.
	Mono	Always plays the FM broadcast in mono.
Audio Setup	selection	See Sound Adjustments on page 33.
System Setup	selection	See System Adjustments on page 35.

Changing AM settings

Selection:	AM setting options:	What the setting affects:
Sleep Timer:	Off	Timer not set.
	mm:ss	Sets timer to turn off when time (01:00 to 90:00 minutes) expires. Refer to "Using the sleep timer" on page 30.
Station:	----	Tunes to that station frequency.
Preset:	1 of 25	Tunes to the stored preset station.
	Available only if presets include an AM station	
AM Status	selection	Displays information about the AM source.
Audio Setup	selection	See Sound Adjustments on page 33.
System Setup	selection	See System Adjustments on page 35.

Playing other sources

Turn on any component connected to the media center by using the remote for that component or controls on the component front panel.

Pressing AUX, Video 1 or Video 2 on the 3•2•1 system remote turns on the system and selects the audio for that component. Be sure a tape or disc is loaded, as needed.

Use the **Volume** ▲ or ▼ buttons on the 3•2•1 remote control or media center to raise or lower the volume of the system.

To control all other functions of that source, use its remote or front-panel controls. For details on what changes you can make, refer to the owner's manual that came with the component.

To record to a connected tape deck, play the built-in or connected source (AM/FM, CD, or AUX) you want to tape. Listen to the speakers to be sure you have selected the audio you want to tape. Set the tape deck to Record.

Changing settings for the other sources

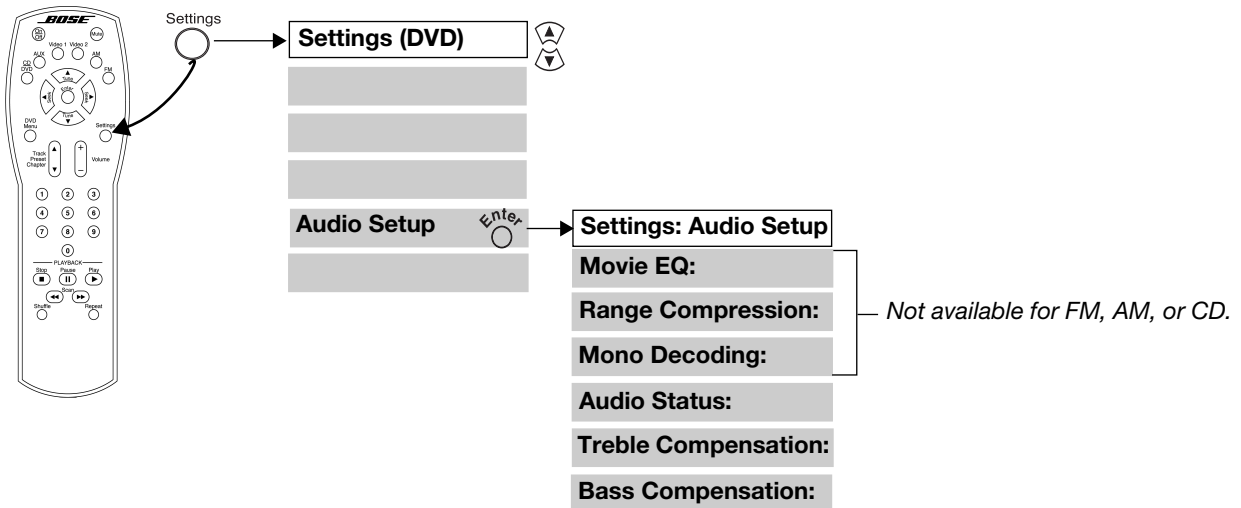
Selection:	Setting options:	What the setting affects:
Sleep Timer:	Off	Timer not set.
	mm:ss	Sets timer to turn off when time (01:00 to 90:00 minutes) expires. Refer to details
VID 1, VID 2, AUX Status:	selection	Displays information about the connected source.
Audio Setup	selection	See Sound Adjustments on page 33.
System Setup	selection	See System Adjustments on page 35.

System settings

When necessary, the system settings can be changed using the System Settings menus. See "Locating system settings" on page 35.

Locating Audio Setup

1. Press the **Settings** button. A menu of the available settings for the current source will be displayed on your TV screen.
2. Using the **Tune ▼** button, scroll down the list and select (highlight) **Audio Setup**.
3. Press the **Enter** button and the audio settings will be displayed for the current source.



Audio Setup menu

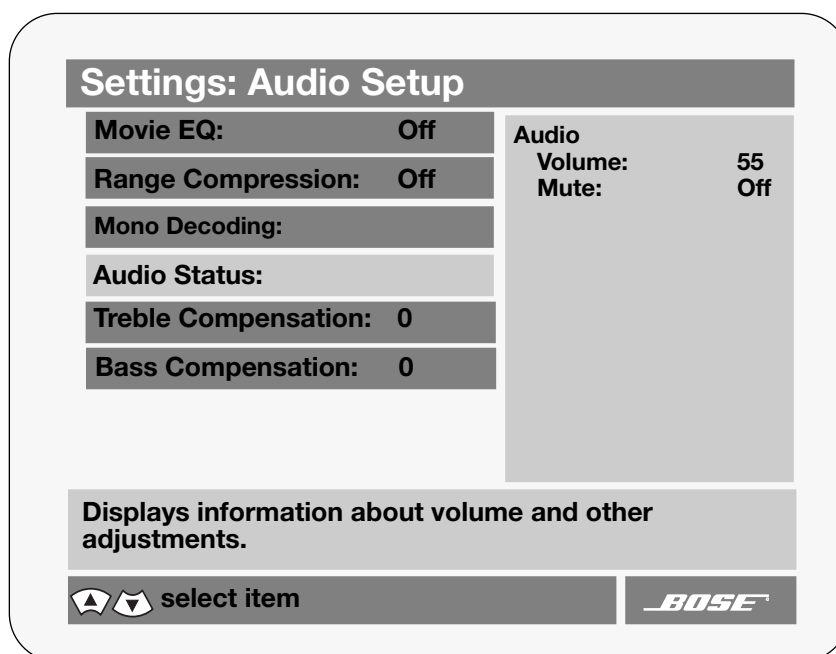
Selection:	Setting options:	What the setting affects:
Movie EQ:	On	Sets proper equalization for this particular movie.
Range Compression:	On	Automatically adjusts the volume so you can hear soft sounds (particularly dialogue) and are not overwhelmed by loud special effects, like an explosion. This feature is normally engaged when you turn the system on to DVD, VIDEO 1, VIDEO 2, or AUX.
	Off	Range compression not active.
Dolby 1 + 1:	1 of n	Not shown above. Indicates that a Dolby 1+1 audio track is playing.
Mono Decoding:	On	Automatically engages Bose® Videostage® decoding circuitry when a Dolby Digital bitstream indicates that it contains a mono program. This feature can process a one-channel program in multi-speaker sound, directing the signals so that dialogue remains locked on-screen, while music and ambient effects fill the room.
	Off	Mono decoding not active.
Audio Status	selection	Displays system audio information. The example in Figure 27 on page 34 shows the DVD audio status.

Sound Adjustments

Treble Compensation:	-15 to +15	<p>Decreases(-) or increases (+) the treble sound.</p> <p>Rooms with too few sound-absorbing furnishings, especially those with bare floors and walls, may sound overly shrill or “bright.” Lowering this setting to a negative value (-1 to -15) decreases the treble sound.</p> <p>Rooms with a lot of sound-absorbing furnishings, such as upholstered furniture, wall-to-wall carpet, or heavy drapes, may reduce the treble sound of your system. Moving speakers farther away from soft furnishings increases treble. You can also increase the treble sound by raising this setting to a positive value (+1 to +15).</p>
Bass Compensation:	-15 to +15	<p>Decreases (-) or increases (+) the bass sound.</p> <p>Placement of the Acoustimass® module affects the amount of bass you hear. Placing the module closer to the corner of the room will increase the bass. Moving the module away from the corner will decrease the bass.</p> <p>You can also decrease the bass sound by lowering this setting to a negative value (-1 to -15). To increase the bass, raise this setting to a positive value (+1 to +15).</p>

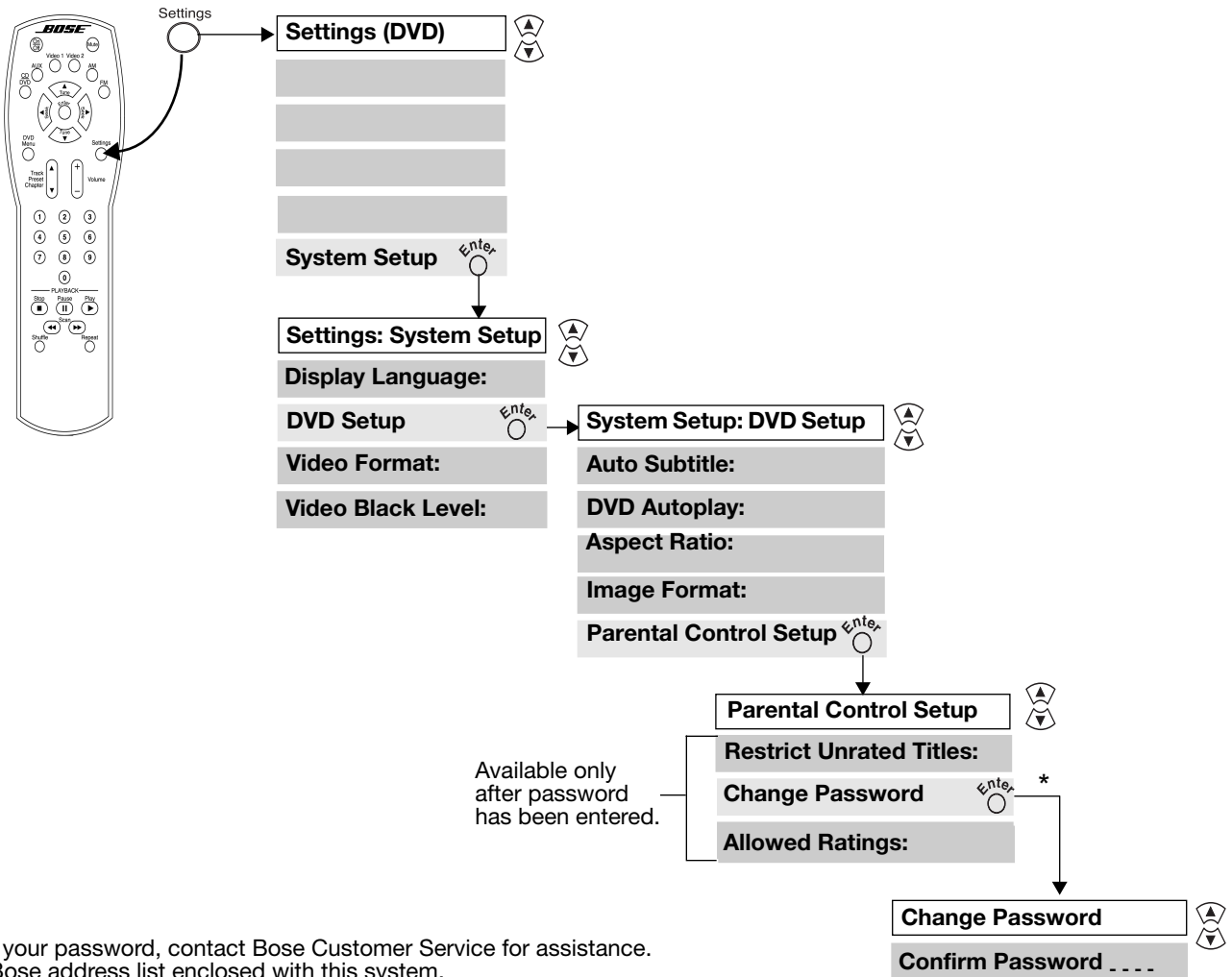
Figure 27

DVD audio status



Locating system settings

1. Press the **Settings** button. A menu of the available settings for the current source will be displayed on your TV screen.
2. Using the **Tune ▼** button, scroll down the list and select (highlight) **System Setup**.
3. Press the **Enter** button and the System Setup will be displayed.



System Setup menu

The System Setup menu lists options for how to set up the entire system.

Selection:	Setting options:	What the setting affects:
Display Language:	English/French/ Spanish/etc.	Presents on-screen display menus in the selected language.
DVD Setup	selection	Provides a selection of options, including Parental Control, for the DVD.
Video Format:	NTSC PAL	Sets video format to the USA standard. Sets video format to the European standard.
Video Black Level:	Normal Extended	Sets black level required for most TVs. Sets black level that may be appropriate for DVD playback.

DVD Setup submenu

The DVD Setup submenu lists options for how the DVD player should operate, including Parental Control.

Selection:	Setting options:	What the setting affects:
Auto Subtitle:	On Off	Subtitles, if available on the particular DVD, are automatically displayed when the audio is muted. DVD subtitles are not displayed automatically.
DVD Autoplay:	On Off	DVD starts to play automatically when it is loaded into the DVD player. DVD is not started automatically when loaded.
Aspect Ratio:	4:3 16:9	Provides the DVD aspect ratio for standard (4:3) TVs. Provides the DVD aspect ratio for widescreen (16:9) TVs.
Image Format:	Pan & Scan Letterbox	Images are sized to fit a standard TV, if the particular DVD allows it. Images are presented in Letterbox format if the particular DVD allows it (with black bars at the top and bottom of the screen). If Aspect Ratio is 16:9, Image Format is not applicable and the setting is automatically shown as "--".
Parental Control Setup	selection	Provides access to the Parental Control submenu.

Parental Control submenu

The parental control submenu provides options for restricting access to certain DVDs.

Selection:	Setting options:	What the setting affects:
Restrict Unrated Titles:	On Off	Prevents viewing of unrated titles when password is set. Allows unrated titles to play.
Change Password:	— — — —	Lists options for how to create a new password or to change a current password. Passwords cannot be deleted. If you forget your password, contact Bose Customer Service for assistance. Refer to the Bose address list enclosed with this system.
Allowed Ratings:	1 to 8*	Blocks access to DVDs rated higher than the limit. Rating 8 means no restriction.

DVD Rating	General Description of Rating	MPAA Rating
*8	Unrated (generally most restricted)	
7	Adult audiences	NC-17
6	Mature audiences	R
5	Mature teenage audiences	
4	Teenage audiences	PG-13
3	Mature young audiences	PG
2	Most audiences	
1	General (unrestricted audiences)	G

Taking care of your 3•2•1 home entertainment system

Caring for your system may include cleaning the system's enclosures, cleaning your discs, and replacing the remote control batteries.

Cleaning the media center

- Use only a soft, dry cloth to clean the outside surfaces of the media center.
- 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 any liquids to spill into any openings.

Cleaning the speakers

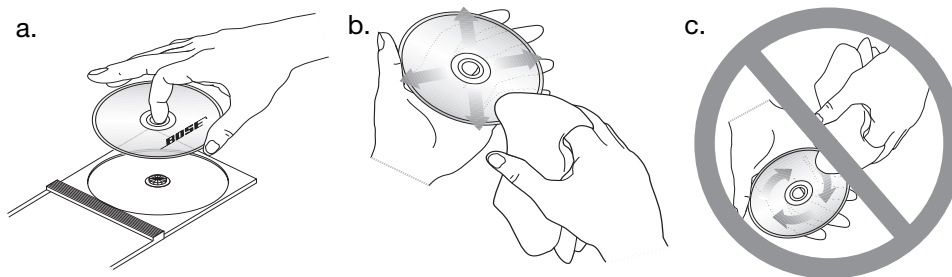
- Clean the surface of your speakers with a soft, damp cloth. You can use an ammonia-free window cleaner on a soft cloth to maintain the finish.
- Do not use any sprays near the speakers. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives.
- Do not allow liquids to spill into any openings.
- The speaker grilles require no special care, although you may vacuum them carefully, if necessary.

Cleaning discs

- Handle discs by their edges to prevent fingerprints and scratches (Figure 28a).
- To remove stains or fingerprints from the surface of a disc, use a soft and dry lint-free cloth. Wipe in straight movements from the center of the disc to the outside (Figure 28b). Do not use any chemical products; they can damage the disc.
- Do not use a circular motion to clean (Figure 28c).
- Do not write on or attach labels to the surface of a disc.
- To minimize exposure to dust and dirt, return discs to their cases after use. Store each disc in its case, away from direct sunlight, high temperatures, and humidity.

Figure 28

Disc care



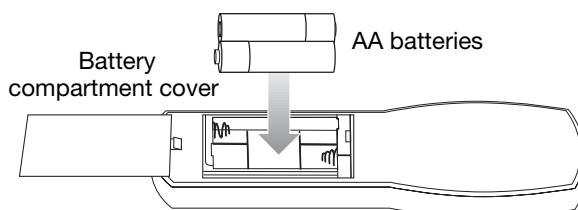
Replacing the remote batteries

Slide open the battery compartment (Figure 29).

Notice the polarity markings (+ and –) inside the compartment and install the batteries accordingly. Slide the battery compartment cover back into place.

Figure 29

Putting in the batteries



Troubleshooting

Problem	What to do
System doesn't do anything	<ul style="list-style-type: none"> • Make sure the unit is turned on. • Make sure the power cord is inserted securely into the Acoustimass® module and plugged firmly into an operating AC wall outlet. • Be sure to select a source (CD/DVD, AM/FM, etc.). • Unplug the Acoustimass module power cord from the outlet for a minute, then reconnect it. This allows the unit to reset itself.
No sound	<ul style="list-style-type: none"> • Increase the volume. • Check to see if MUTE is lit on the display. If it is, press the Mute button on the remote control to unmute the sound. • Make sure the module cable and speaker cable are firmly seated in the media center jacks and the multi-pin connector on the other end is firmly seated in the Acoustimass module jack. • Check speaker connections. • Turn the media center off for 10 seconds, then on again, to restore communication between the media center and the speakers. • Check the connections for any external components. Make sure to select the correct source for the desired input. • Be sure the disc is placed correctly, label-side up, in the CD tray. • Connect the FM and AM antennas. • Unplug the Acoustimass module power cord from the outlet for a minute, then reconnect it. This allows the unit to reset itself.
Sound but no picture	<ul style="list-style-type: none"> • Make sure the TV is on. • When playing a DVD or other video source, make sure the TV is set for TV/Video. See Important Note on page 16.
Remote control is inconsistent or does not work	<ul style="list-style-type: none"> • Check batteries and their polarity (+ and -). See "Replacing the remote batteries" on page 38. • Point the remote control at the media center.
Radio does not work or has poor reception	<ul style="list-style-type: none"> • Make sure antennas are connected properly. • Move AM antenna at least 20 inches (50 cm) from the media center. • Adjust antenna position to improve reception. • AM antenna must be upright. • Move antennas farther from TV or other electronic equipment. • You may be in an area of weak signal coverage.
DVD or CD does not play	<ul style="list-style-type: none"> • Check to see if the play symbol in the display is lit. • After pressing the CD/DVD button, wait a few seconds before pressing Play. • Make sure the disc is properly inserted (label side up). • Eject the disc and try loading it again. • There may be dirt or dust on the disc. Clean the disc. See "Cleaning discs" on page 38. • The disc may be defective. Try another disc. • Make sure region codes for both the DVD and player match. See "Check for region code compatibility" on page 5.
FM sound is distorted	<ul style="list-style-type: none"> • Adjust antenna position to reduce interference.
Sound is distorted	<ul style="list-style-type: none"> • Make sure speaker cables are not damaged and the connections are secure. • Reduce the output level from any external components connected to the music center.

Customer service

For additional help in solving problems, contact Bose® customer service. Refer to the address list included in the carton.

Warranty

The Bose® 3•2•1 home entertainment system is covered by a limited 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.

Accessories

The Bose 3•2•1 home entertainment system shelf speakers are compatible with Bose mounting accessories, including the UB-20 wall brackets, UFS-20 floor stands and UTS-20 table stands. Bose also offers cable adapters for use in running speaker cable through walls.

For further information or to order mounting brackets, stands, or cable adapters, contact your Bose dealer. Or, to call Bose directly, refer to the address sheet included with the system.

Technical information

Power rating

USA/Canada: 120VAC, 60 Hz, 300W

Inputs

AUX, VIDEO 1, VIDEO 2: 2VRMS maximum

EXTERNAL ANTENNA: 75 ohm

Outputs

1 audio output

1 video output

Maximum ambient temperature

40°C

Dimensions

Music center:

4¹/₈" H x 13¹/₄" W x 10¹/₄" D
(10.4 cm x 33.9 cm x 26.0 cm)

Remote control:

1¹/₈" H x 2¹/₂" W x 8¹/₁₆" D
(3.0 cm x 6.5 cm x 20.5 cm)

Speakers:

3¹/₂" H x 7⁷/₈" W x 5¹/₄" D
(8.7 cm x 19.9 cm x 13.6 cm)

Acoustimass® module:

14¹/₂" H x 8³/₄" W x 19¹/₈" D
(36.7 cm x 22.2 cm x 48.5 cm)

Weights

Music center: 8.8 lb (4.0 kg)

Speakers: 2.7 lb (1.2 kg) each

Acoustimass module: 23.3 lb (10.6 kg)

Finish

Music center: polymer

Speakers: polymer

Acoustimass module: polymer



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