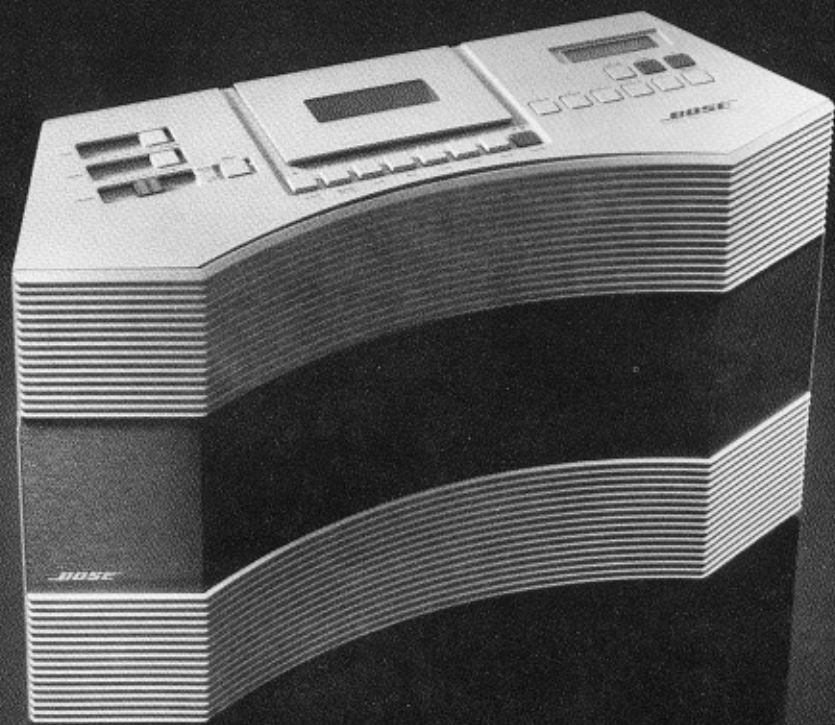


Owner's Guide

The Bose® Acoustic Wave™ Music System



The Bose® Acoustic Wave™ Music System

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The lightning flash, with arrow-head 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 to persons.



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

RISK OF ELECTRICAL SHOCK – DO NOT OPEN

TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

AVIS

RISQUE DE CHOC ELECTRIQUE – NE PAS OUVRIR

AFIN DE PREVENIR UN CHOC ELECTRIQUE NE PAS ENLEVER LE COUVERCLE ARRIERE. IL NE SE TROUVE A L'INTERIEUR AUCUNE PIECE POUVANT ETRE REPARÉE PAR L'USAGER. S'ADRESSER A UN REPARATEUR COMPETENT.

INTRODUCTION

Congratulations, and thank you for purchasing the AW-1 Acoustic Wave™ Music System. Bose developed this unique product because we understand your desire for true high-fidelity sound in an easy-to-use system. Using advanced Acoustic Wave™ system technology, the AW-1 provides quality sound usually associated only with component systems. In addition, its compact size and easy operation let you quickly and conveniently enjoy its performance.

Follow the simple instructions in this guide, and you'll receive many years of musical enjoyment. To help you get started, the "Quick Reference Guide to Controls and Connections" explains the uses of each button and connection.

Warning

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

Caution

To reduce the risk of electric shock, do not remove the cover of this system. No user-serviceable parts inside. Refer servicing to qualified service personnel.

QUICK REFERENCE GUIDE TO CONTROLS AND CONNECTIONS

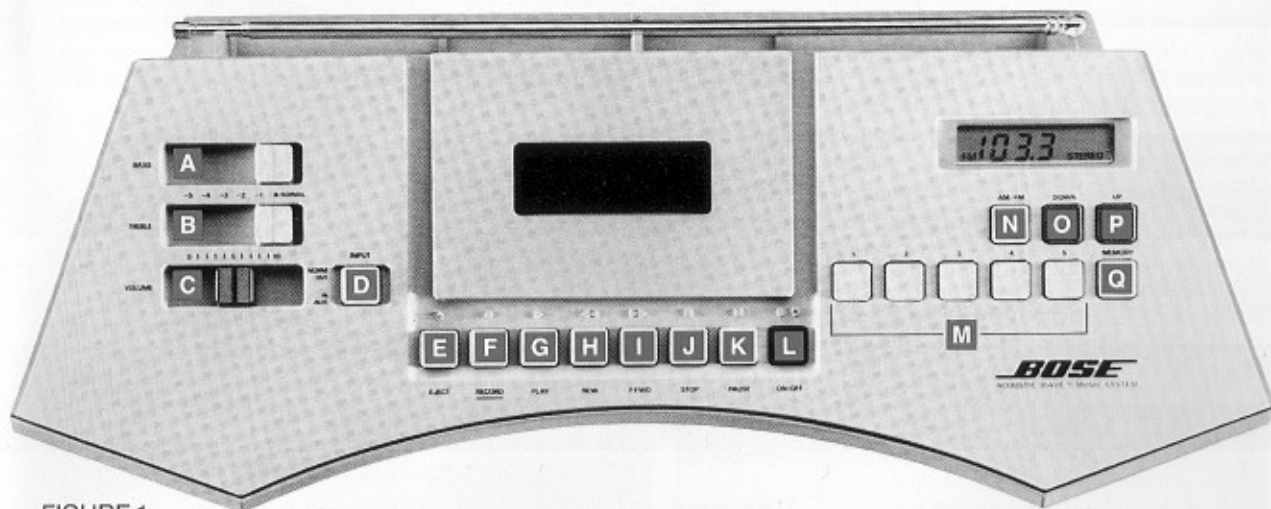


FIGURE 1.
AW-1 Top View

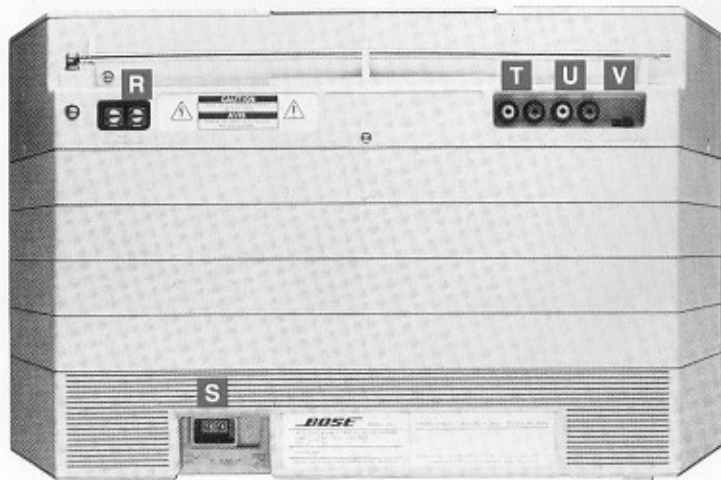


FIGURE 2. AW-1 Rear View

- A. **BASS**—adjusts the bass (low notes) to your room, recordings, and taste.
- B. **TREBLE**—adjusts the treble (mid and high notes) to your room, recordings, and taste.
- C. **VOLUME**—adjusts the volume to your taste.
- D. **INPUT**—lets you choose between the system's own radio or tape deck and an external source you wish to connect.
- E. **EJECT**—opens the tape door and ejects the tape.
- F. **RECORD**—starts recording when pushed in combination with PLAY button.
- G. **PLAY**—plays tape.
- H. **REW**—rapidly rewinds tape.
- I. **F FWD**—rapidly advances tape.
- J. **STOP**—stops all tape functions.
- K. **PAUSE**—holds PLAY and RECORD functions until released.
- L. **ON-OFF**—turns system on and off.
- M. **1-5**—selects a preset AM or FM station.
- N. **AM/FM**—chooses between AM reception and FM reception.
- O. **DOWN**—selects a radio station lower in frequency.
- P. **UP**—selects a radio station higher in frequency.
- Q. **MEMORY**—presets a total of five AM and five FM radio stations when used in combination with the buttons labeled 1-5.
- R. **EXT. FM ANTENNA**—connects to external 300-ohm antenna.
- S. **AC/DC**—lets you choose the power source, either AC (for example, 120-V, 60 Hz in North America) or 12-V to 15-V DC (optional car adaptor).
- T. **AUX. INPUT**—lets you connect another component to play through your system (video equipment or extra tape deck, for example).
- U. **LINE OUT**—lets you record or play music from your AW-1 on another component (such as a tape deck or component stereo).
- V. **AM WHISTLE CUT**—reduces interference when recording AM stations.

CONNECTING YOUR SYSTEM TO AN OUTLET OR OTHER POWER SOURCE

To an Outlet

To connect your system to a standard wall outlet (power mains); e.g., 120 volts in North America, slide the AC/DC switch to the AC position. Connect the small end of the power cord to the AW-1, and the large end of the cord to the outlet.

To a Car Cigarette Lighter With Its Optional 12-V to 15-V DC Connector

To connect your AW-1 to a cigarette lighter socket, slide the AC/DC switch to the DC position. Insert the small end of the optional connection cord (use only Bose® Part Number 124998) into the AW-1. Insert the large end of the cord into the lighter socket.

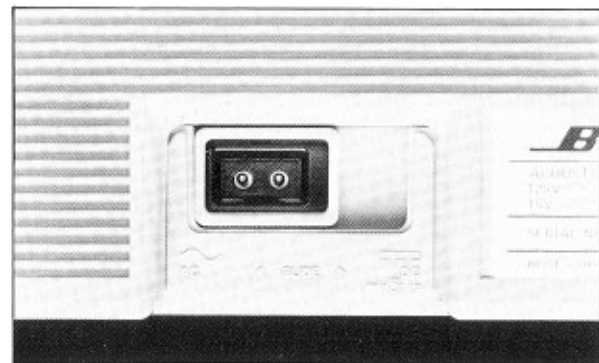


FIGURE 3. Use this jack to connect the power cord to your system.

CONNECTING YOUR SYSTEM TO AN EXTERNAL FM ANTENNA

In most cases, your system will provide good reception when used with its built-in, extendable antenna. If, however, you live in a remote area or an area which has very strong signals, you may wish to connect an external antenna. To do so, connect the wire leads from your external antenna to the two screw terminals on the back of the system. Make sure you are using a 300-ohm antenna system (this is the standard type of system used with twin lead TV antenna wire). If you are unsure about your antenna system, or if your system uses another impedance (such as 75 ohms used with some cable systems), a local electronics store can verify the impedance of your antenna system, and suggest an appropriate adaptor where necessary.

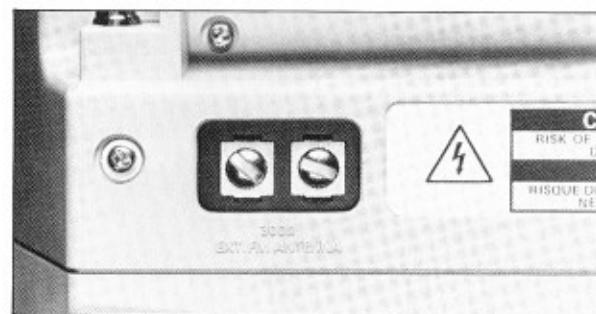


FIGURE 4. Use these screw terminals to attach an external antenna.

ADJUSTING THE SOUND

Bass (low notes)

With the BASS control in the far right position, the system delivers a normal amount of bass. If your listening room, music, or taste requires less, slide the control to the left.

Treble (mid and high notes)

With the TREBLE control in the far right position, the system delivers a normal amount of treble. If your listening room, music, or taste requires less, slide the control to the left.

Volume

Move the VOLUME control to the left or right. The far left position delivers minimum volume, the far right position delivers maximum volume.

HELPFUL HINT:

This slider only controls the sound you hear. The level at which recordings are made is set automatically by your system.

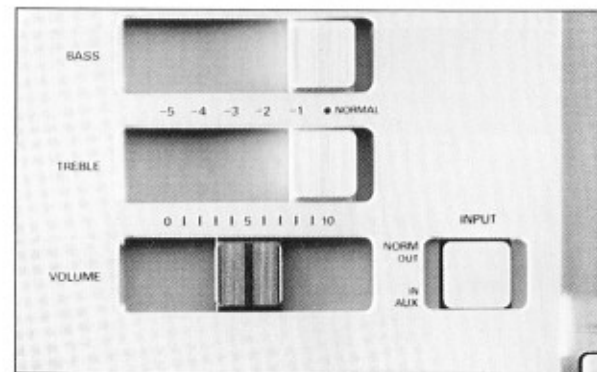


FIGURE 5. Use these controls to adjust the volume and tone of music.

USING THE RADIO

Input Selection

Set the INPUT selector on your system to the normal position. This tells your system to play your choice of either its tape deck or radio.

AM/FM Selection

Set the AM/FM button to the appropriate setting (FM or AM). The screen will display the band you choose.

Station Tuning

To tune a station, use the buttons marked UP and DOWN to move through the AM or FM band. The display reads the station frequency number currently tuned by the system. Depressing the UP and DOWN button for a short time tunes the radio to the next frequency. Keeping the button depressed moves the tuner rapidly through the AM or FM band.

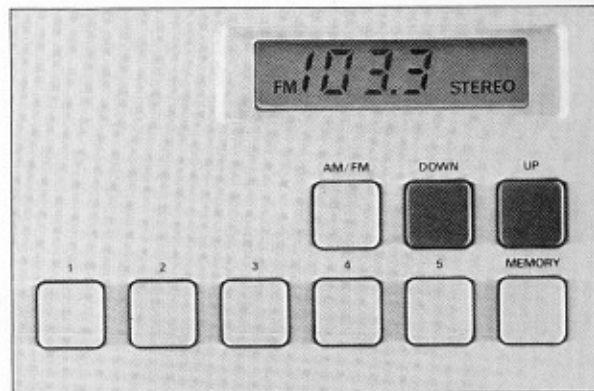


FIGURE 6. Use these controls to operate the radio.

Station Presetting

To preset a station, set the tuner to the station you wish to preset. Next depress the MEMORY button, followed by one of the buttons labeled 1-5. This assigns the station displayed on the screen to the button you have selected. Each button can simultaneously remember the station number of one AM station and one FM station.

To replace any station assigned to one of the buttons, simply tune to a new station, depress the MEMORY button and one of the preset buttons. The system automatically replaces the old station with the new station.

HELPFUL HINTS:

The station memory in the AW-1 will hold stations for about one hour after power to the system has been disconnected. If you move the AW-1 to a new location, reconnect it to a power supply within an hour. If this isn't convenient, reassign the desired stations to memory when the AW-1 is reconnected.

A built-in antenna inside the AW-1 receives AM stations. Once you've chosen a station, rotate the AW-1 for best reception.

The extendable antenna on the back of the AW-1 receives FM stations. Once you've extended the antenna, choose a station. Then rotate the antenna for best reception.

If you accidentally push the MEMORY button, don't depress any of the buttons labeled 1-5. Depressing any of the other buttons (AM, FM, etc.) will cancel your request to use the memory function.

USING THE TAPE DECK

To Insert a Tape

Depress the EJECT button. This opens the tape compartment so you can load a cassette. Be sure to load the cassette open edge toward you (see FIGURE 7).



FIGURE 7. When inserting a cassette tape, make sure the open side of the cassette faces the front of your system.

HELPFUL HINTS:

Do not force the tape compartment to close. If the door doesn't close and lock in place with a gentle push, you should remove the tape and reinsert it.

The tape deck on your AW-1 will record using most types of tape, but any good quality Type II tapes (high bias or chrome) provide best results. Do not record using metal-type tapes. Any cassette tape, either Type I or Type II, can be played back on your AW-1. It will automatically set the proper playback response for the type of tape you have chosen. For help in selecting cassettes for use with your AW-1, ask at your local record and tape store.

Note: *Your AW-1 is equipped with built-in Dolby B noise reduction for both recording and playing back your cassette tapes.*

To Play a Tape

Depress the PLAY button. The side of the tape face up in the window will be the side you hear.

To Record a Tape

Depress the PLAY and RECORD buttons simultaneously. This records whatever you are currently playing through your system, and lets you hear it at the same time. The RECORD button alone will not start your system recording. This prevents you from accidentally recording over a tape.

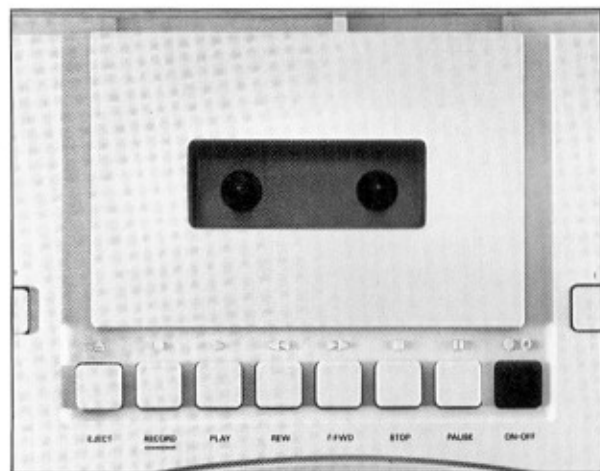


FIGURE 8. Use these controls to operate the tape deck.

HELPFUL HINT:

When recording an AM station, try using the AM WHISTLE CUT button in each of its three positions before recording the program you want. Use the position which makes the best recording. Different AM stations will record best with the switch in different positions, so try moving the switch for each station.

To Rewind a Tape

To rewind a tape, fully depress the REW button. The button will lock in place and rapidly rewind your tape to the beginning unless you choose to stop the tape.

HELPFUL HINT:

The REW button will not lock unless the STOP button is first depressed.

To Find a Previous Selection

To rewind a tape to a previous selection and hear what is being bypassed, *lightly* depress the REW button while your system is playing. This lets you return to a particular selection you wish to play.

To Fast Forward a Tape

To rapidly advance a tape, fully depress the F FWD button. The button will lock in place and rapidly advance your tape to the end unless you choose to stop the tape.

HELPFUL HINT:

The F FWD button will not lock unless the STOP button is first depressed.

To Find a Later Selection

To forward a tape to a later selection, and hear what is being bypassed, *lightly* depress the F FWD button while your system is playing. This lets you find a selection you wish to play.

To Stop a Tape

Depress the STOP button. This stops the tape, and disengages the function being performed (REW, REC, etc.).

To Pause a Tape

Depress the PAUSE button. This temporarily stops the tape while recording or playing. When the PAUSE button is depressed a second time, the tape deck resumes playing or recording.

PLAYING AN ADDITIONAL TAPE DECK OR OTHER COMPONENT THROUGH THE AW-1

Your Acoustic Wave™ Music System is designed to let you play music from another component, such as an additional tape deck or a TV, through its speakers. To do so:

1. Connect the AUX. INPUT jacks on the AW-1 to the line output jacks on the other component.
2. Set the INPUT selector on the AW-1 to the AUX position.
3. Play the component using the VOLUME, BASS, and TREBLE controls as desired.

HELPFUL HINTS:

You may connect your AW-1 with the line output from a conventional stereo system.

You may also record music from your external tape deck (or other component) on the built-in tape deck of the AW-1 while you listen to it. When you do this, it's best to record for a short period of time as a test. Even though the AW-1 automatically sets record levels, you should adjust the output levels of your external component so that your recordings sound best.

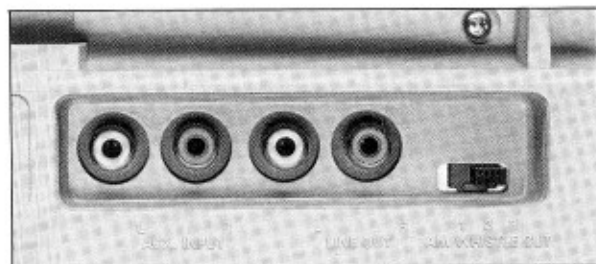


FIGURE 9. Use these jacks to connect external components to your system.

RECORDING FROM THE AW-1 ON AN EXTERNAL TAPE DECK

Your system is designed to let you record music onto another tape deck. To do so:

1. Connect the LINE OUT jacks from your AW-1 to the line input jacks on your external tape deck. (You can also connect the LINE OUT jacks from the AW-1 to the tape inputs on a receiver or amplifier.)
2. Set the INPUT selector on the AW-1 to the NORMAL position.
3. Set the record levels as required on your external tape deck (see tape deck owner's guide for further information).
4. Record as desired from your AW-1.

HELPFUL HINT:

Changing the volume level on the AW-1 does not affect a recording being made on an external tape deck. Recording levels must be set on the tape deck being used, unless the deck features automatic record level control.

IN CASE OF DIFFICULTY

If your system exhibits one of the following problems, try the suggested solutions before returning your Acoustic Wave™ Music System for servicing.

PROBLEM	REASON/SOLUTION
System on, no sound.	Input selector improperly set. Check input setting (NORMAL or AUX).
System doesn't turn on.	Power cord unplugged or improperly connected. Check cord and connection.
System won't record.	Tape being used has plastic sensor removed to prevent accidental erasure. Use another tape.
System won't record.	PLAY button is not being pushed simultaneously with the RECORD button. Depress both buttons simultaneously.
Radio stations are not tuned when buttons 1-5 are depressed.	If the AW-1 is disconnected from a power supply for longer than one hour, power to the memory is lost. When moving the unit, reconnect it to power within one hour, or reassign the stations to the memory once the unit is reconnected.
Poor sound quality when tapes are played.	Tape record/playback mechanism is dirty. Clean the mechanism using a tape head cleaner (a cassette which contains a cleaning mechanism, rather than normal tape).
System is on, internal tape deck will not function.	PAUSE button has been depressed. Depress button a second time to release.
Poor AM reception.	The AW-1 has an internal AM antenna which is dependent on the direction in which it is pointed. To achieve best reception, rotate the AW-1 until the signal sounds strongest.
Poor FM reception when using the extendable FM antenna on the back of the AW-1.	You may live in an area with generally poor reception. Connect the AW-1 to an external FM antenna as explained earlier in this guide.
Poor sound quality from an external component; e.g., tape deck, TV, etc.	The signal from some components is too strong or weak for good sound quality. If possible, adjust the output level on the component. If this is not possible, the component in question shouldn't be used with your AW-1.

CARE AND CLEANING OF YOUR AW-1

To clean the enclosure of your AW-1 system, first unplug it from the power supply (AC or DC). Then wipe the system with a damp cloth and let dry. Once dry, reconnect the AW-1 to the power supply.

To clean the tape deck in your AW-1, use a tape head cleaner (a cassette which contains a cleaning mechanism, rather than normal tape). Follow the instructions given by the manufacturer of the cleaner. Cleaning the tape deck once every 20 hours of deck operation will maintain the sound quality of your tape deck.

WARRANTY INFORMATION

If your system fails to work after trying the suggestions in the "In Case of Difficulty" section, have it serviced by authorized personnel only. For complete warranty information on your Bose® Acoustic Wave™ Music System, including instructions on returning the AW-1 for servicing, please consult the Warranty Registration Card included with your system. Should your AW-1 require servicing during the warranty period, Bose Corporation will make every effort to remedy any problem within the terms of the warranty at minimum inconvenience to you.

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Better sound through research.

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