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THE BOSE®
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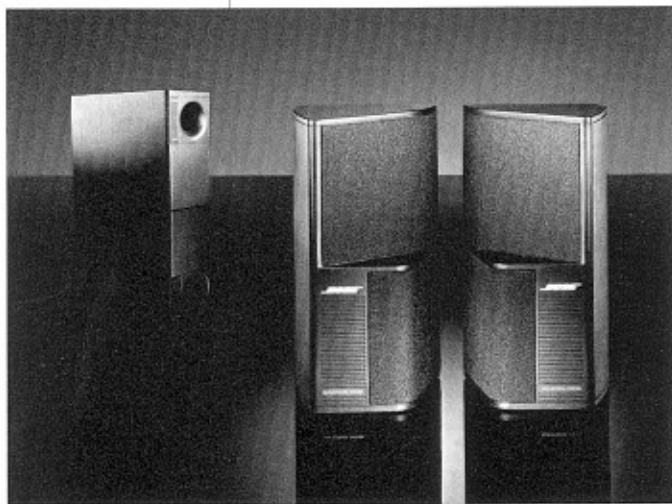
ACOUSTIMASS®-SE5
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SERIES II
—

DIRECT/REFLECTING®
—

SPEAKER SYSTEM
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OWNER'S GUIDE
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BEDIENUNGSANLEITUNG
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NOTICE D'EMPLOI
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MANUAL PARA USUARIOS
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***BOSE*®**

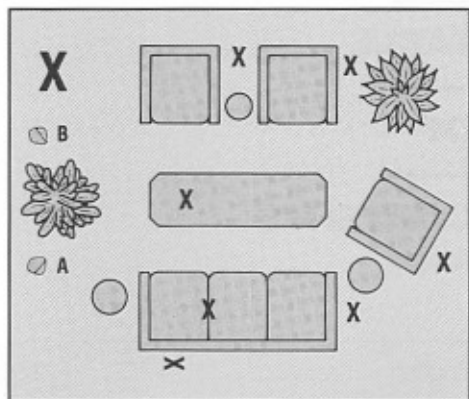


Figure 1

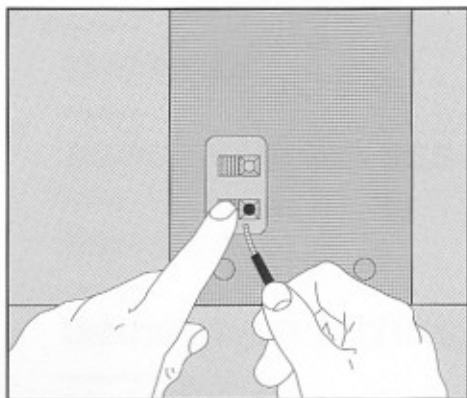


Figure 2

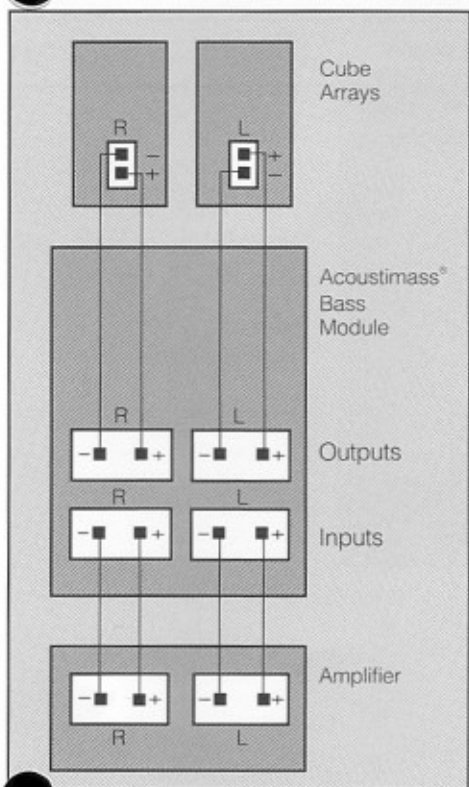


Figure 3

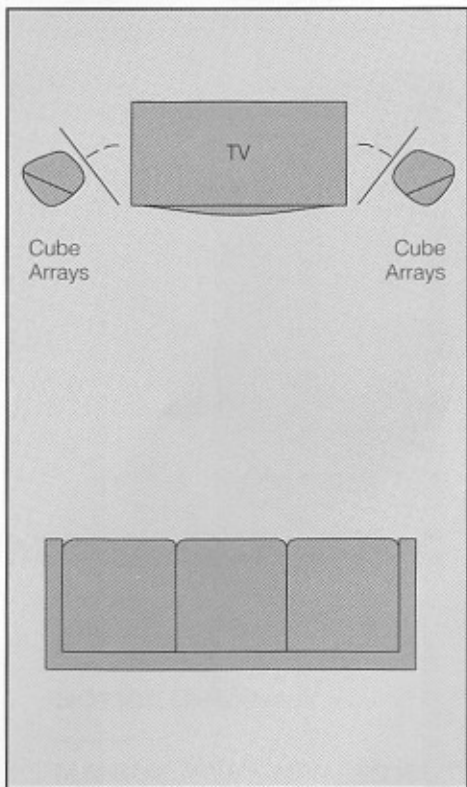


Figure 4

Diagrams and Illustrations for the Acoustimass®-SE5 System

Figure 1

Place the Acoustimass module (X) anywhere within your room, behind or beneath furniture, or in a corner (where it will provide the greatest bass output). Position the Left (A) and Right (B) cube arrays on the left and right sides of the room. In Figure 1:

- A. Left cube array
- B. Right cube array
- X. Acoustimass bass module possibilities.

Figure 2

Depress the red ("+") tab on the rear of the left cube array and insert one end of the wire with a red or striped marker. Release the tab, checking to make sure the lead is firmly attached. Insert one end of the other wire into the terminal marked "—." Repeat the procedure for the right cube array.

Figure 3

Locate the terminals marked "OUTPUTS TO CUBE SPEAKERS" on the rear of the Acoustimass module. Connect the wires from the cube arrays to the respective "R" (right) and "L" (left) sets of terminals. Make sure that wires with a red or striped marker are always connected to a "+." Next, locate the terminals marked "INPUTS FROM AMP OR RECEIVER" on the rear of the Acoustimass module. Use the remaining wires to connect the module to your amplifier or receiver.

Figure 4

Position the cube arrays close to a TV monitor for lifelike audio with video entertainment.

Diagramme und Illustrationen für das Acoustimass®-SE5 System

Abbildung 1

Stellen Sie den Acoustimass Modul (X) irgendwo im Raum auf - hinter oder unter einem Möbelstück, oder in einer Ecke (wo man die beste Basswiedergabe erhält). Stellen Sie jetzt die linke (A) und rechte (B) Cube-Lautsprechergruppe auf der linken und der rechten Seite des Raums auf (Abbildung 1).

- A. Linke Cube-Lautsprechergruppe
- B. Rechte Cube-Lautsprechergruppe
- X. Vorgeschlagene Aufstellplätze des Acoustimass Bassmoduls.

Abbildung 2

Drücken Sie die rote ("+") Lasche auf der Rückseite der linken Cube-Lautsprecheranordnung nieder und schieben Sie ein Ende des Drahtes mit der roten oder gestreifte Markierung. Die Lasche nun loslassen und nachprüfen, ob der Draht fest verbunden ist. Ein Ende des anderen Drahtes in den mit "—" gekennzeichneten Anschluss einschieben. Den Vorgang mit der rechten Cube-Lautsprechergruppe wiederholen.

Abbildung 3

Auf der Rückseite des Acoustimass Moduls befinden sich Klemmen mit der Bezeichnung "OUTPUTS TO CUBE SPEAKERS". Schliessen Sie die Drähte der Cube-Lautsprechergruppen an die mit "R" (rechte) bzw. "L" (linke) bezeichnete Klemmleiste an. Achten Sie darauf, dass Sie die Drähte mit der roten oder gestreiften Markierung immer an eine Plus-Klemme (+) anschliessen. Lokalisieren Sie nun die mit "INPUTS FROM AMP OR RECEIVER" bezeichneten Klemmen auf der Rückseite des Acoustimass Moduls. Schliessen Sie den restlichen Drähten das Modul an Ihren Verstärker bzw. Empfänger an.

Abbildung 4

Stellen Sie die Cube-Lautsprecher für Video-Anwendung in unmittelbarer Nähe des TV-Monitors auf.

The Bose® Acoustimass®-SE5 Series II Speaker System Owner's Guide

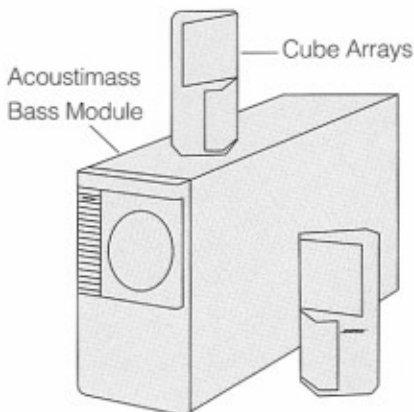
We would like to thank you for purchasing the Bose Acoustimass-SE5 Series II speaker system. The advanced technology and quality construction of the Acoustimass system is designed to provide you with a lifetime of musical listening pleasure.

The Acoustimass-SE5 system offers many advantages not available from a conventional speaker system. This Virtually Invisible® speaker system delivers a lifelike musical performance formerly associated with room-dominating loudspeakers, yet it requires very little space.

It is our intention for you to gain the greatest enjoyment of the system and its unique benefits. Therefore, to ensure easy installation and the best results from your new speakers, please take the time to read this owner's guide.

The first section gives you step-by-step instructions on how to set up and connect the system to your stereo, to begin enjoying it as soon as possible. In later sections, we've included more detailed information and suggestions on arranging your system's components and on using your system to get the best quality performance possible. Because the Acoustimass system's operating principles and wiring configuration are

significantly different from those of conventional speakers, it provides not only outstanding sound, but great placement flexibility, so you can enjoy your living space while you enjoy your music.



Everything you need to hook up your Acoustimass-SE5 system is contained in the shipping carton. Before you begin to install the system, take a minute to familiarize yourself with all of its parts, which include:

- 2 Cube arrays
- 1 Acoustimass bass module
- 4 Wires
- 4 Adhesive-backed rubber feet

To remove the system from the carton, first remove all packing materials and carefully lift each component out. Be sure to save all cartons and packing materials in case you need to transport your system again. If any components appear damaged upon removal, do not attempt to use the system. Instead, repack the system in its original carton and notify your authorized Bose dealer immediately.

Five Easy Steps to Superb Sound

Caution: Be sure to unplug your receiver or amplifier from the wall outlet before attempting to connect the Acoustimass®-SE5 system to it.

1

Set up the system components.

(Figure 1)

Select the location for each of your Acoustimass system components. Place the Acoustimass module virtually anywhere in your listening room, in either a vertical or horizontal position (once this is determined, the protective rubber feet may be applied to the "bottom" of the module). It can be hidden under a bed or table or even behind a sofa, as long as you remember not to block the round opening in the end of the unit (allow at least 2 in. or 5 cm of space between that end and any surface.) Next, select the positions for the left and right cube arrays. Remember that wires from the arrays connect to the Acoustimass module, so you should locate the cube arrays close enough to the module to enable the wires to reach it.

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

2

Examine the cables and connections.

Locate the four identical sets of wires packed with the system. Two sets will connect your cube arrays to the Acoustimass module, while the other two sets will connect the Acoustimass module to your receiver or amplifier. Examine the ends of the wires for each set, and make sure that you *connect the wire with a red or striped marker to the "+" terminal for each connection.*

3

Connect the cube arrays to the Acoustimass module.

Select one pair of connector wires, and locate the terminals on the rear of the left cube array. Depress the red ("+") tab, insert the lead with the red or striped marker (Figure 2) and release the tab. The lead should be held snugly in place by the terminal. Repeat the process for the black terminal and the other lead. Follow the same procedure for the right cube array, using a second pair of wires.

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

Next, locate the terminals marked "OUTPUTS TO CUBE SPEAKERS" on the rear of the Acoustimass module (Figure 3). Connect the loose ends of the wires from the left cube array to the pair of terminals marked "L." Make sure that the lead with the red or striped marker is connected to the "+," and the other lead to the "-" terminal.

Now, repeat the last two steps for the right cube array, connecting its wires to the terminals marked "R" (Figure 3).

4

Connecting the Acoustimass®-SE5 Series II system to your stereo.

Select one of the remaining two pairs of wires, and locate the left channel terminals on the Acoustimass module marked "INPUTS FROM AMP OR RECEIVER". Depress the red ("+") tab, insert the lead with the red or striped marker, and release the tab. Repeat the process for the black terminal and the other lead. Then follow the same procedure for the right channel, using the last pair of wires.

Now, locate the speaker outputs on your amplifier or receiver. Connect the other ends of the wire from the left channel of the Acoustimass module to the terminals marked "L" or "LEFT." Make sure that the lead with the red or striped marker is connected to the "+" and the other lead is connected to the "-" terminal. Repeat these last two steps for the right channel.

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

5

Enjoy your new system!

Now, plug in your receiver, turn on your system, and enjoy your music!

Ideally Positioning Your Acoustimass®-SE5 Series II System to Get the Best Sound

One of the real benefits of your Acoustimass-SE5 system is its flexibility. For instance, the cube arrays of your Acoustimass-SE5 system are magnetically shielded for use with video systems. This allows you to position the cube arrays close to your TV or monitor without adversely affecting the picture quality (as happens with conventional, unshielded speakers).

Cube considerations

- A.** In average-sized listening rooms, the best stereo effects result when the left and right cube arrays are spaced 6 to 12 feet apart (approximately 1.8-3.6 m). However, you can still achieve excellent results with separation as little as 3 feet (approximately 1 m) or as great as 15 feet (approximately 4.5 m).

Note: For video applications, separation can be less than 3 feet. While this may slightly reduce performance, it will allow the cube arrays to be located on each side of a TV or monitor. See Figure 4.

- B.** Though there is no "correct" position for the cube arrays or the angle between them, the most lifelike sound will be achieved by providing a balance of direct and reflected sound. Experiment with the positions of the cubes for the results you prefer.

You may choose to use the cube arrays with both cubes facing forward. This eliminates the benefits of combining direct and reflected sound, but may be appropriate for very small listening areas.

Acoustimass® module considerations

Unlike conventional floor standing or bookshelf speakers, you can also fine-tune the bass response of your Acoustimass-SE5 system without compromising accurate stereo imaging. Just change the location of the Acoustimass module within your listening room. For typical listening environments, positioning the module along a wall 3 to 5 feet (approximately 1 to 1.5 meters) from a corner provides a normal balance of frequencies from your Acoustimass-SE5 system. Moving the module close to the walls and/or corners of your room will increase bass response, while moving it toward the center of your room will decrease it. In most rooms, it should be reasonably easy to choose a location that is convenient, yet provides pleasing bass response.

Note: While the cube arrays are shielded, the Acoustimass module is not shielded and should always be placed at least 2 feet from any monitor or television.

Using Your Acoustimass®-SE5 Series II System to Its Best Advantage

Once your Acoustimass-SE5 system is set up and connected properly, it will require very little attention. However, observing the following guidelines will help you get the most from your investment.

Room Acoustics

The acoustics (sound properties) of your listening room can affect the overall sound quality of any speaker system, including your Acoustimass-SE5 system. The following tips will give you some control over the system's sound:

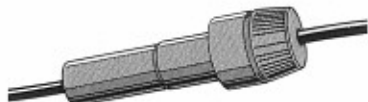
1. Rooms with a lot of sound-absorbing furnishings such as stuffed furniture, wall-to-wall carpet, or heavy drapes may reduce the treble sound (high frequencies) of your Acoustimass-SE5 system. The missing treble sound can be restored by slightly turning up the treble control on your amplifier or receiver. If convenient, you may instead remove some of the sound-absorbing furnishings.
2. Rooms with too few sound absorbing furnishings, especially those with bare floors and walls, may sound overly shrill or "bright" because of too much treble. Turning down the treble control or adding sound absorbers such as throw carpets or drapes will usually improve the sound.
3. If your system seems to have too much or too little bass (low frequencies), you can adjust it using the bass control on your amplifier or receiver. As described previously, you may also move the Acoustimass module closer to a wall and/or corner to increase bass, or closer to the center of the room to decrease it.
4. In general, many problems with acoustics can be solved by the judicious use of your tone controls. Remember, though, that the use of these controls (especially when turned all the way up) may put greater power demands on your receiver or amplifier. Excessive tone control can cause an amplifier or receiver to run out of power and distort, potentially damaging your system.
5. External signal processors (such as graphic and parametric equalizers), while not recommended, can be used with your Acoustimass-SE5 system if a greater degree of acoustic control is desired. Consult your Bose® dealer for advice.

Automatic System Protection

The Acoustimass®-SE5 speaker system incorporates an automatic protection circuit, which guards the system against most kinds of potential damage due to electrical stress or overload. This circuit activates at high volume levels to reduce the system output, causing a slight decrease in volume. This is normal operation and indicates that power input may be exceeding safe levels. Sustained listening at these levels is not recommended.

Fusing for your Acoustimass-SE5 system

Any speaker can be damaged if the amplifier driving it should fail or if the amplifier produces distortion when it is played too loudly. This is especially likely to occur with low-powered amplifiers or receivers. Fusing will provide maximum protection from such amplifier failure. A 2-ampere, fast-blow AGC Series or Littell Fuse AG series fuse is appropriate, and may be added to your speakers in the following manner:



1. Insert a fuse holder "in line" between the "+" terminal of the left input on the Acoustimass module and the "+" terminal of the left output on your receiver or amplifier.
2. Repeat Step 1 for the right channel.
3. Insert fuses into the fuse holders; the fusing protection system is complete.

Checking Your System

Once you have begun listening to your Acoustimass-SE5 system, the following test will help you make sure that the system is working properly:

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

If your system does not appear to be working properly, refer to the section entitled "In Case You Have a Problem."

Maintaining Your New System

The cabinets of your Acoustimass®-SE5 system may be easily cleaned with a damp cloth and, if necessary, a mild detergent such as dish soap. Do not allow liquids to spill through the grille assemblies of the cube arrays, or in any way to enter the Acoustimass module.

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

In Case You Have a Problem

If you have a problem connecting and using your Acoustimass-SE5 system, try the procedures listed below. The majority of problems usually occur in components other than the speakers.

Problem:

The left cube array doesn't play or sounds distorted.

Solution:

Turn off the amplifier or receiver. Check the wiring that connects the cube array to the Acoustimass module, and the wiring that connects the module to the amplifier or receiver. If no visible problem is found, disconnect the wires at the back of the amplifier or receiver. Now connect the left wires to the right amplifier terminals. Turn the balance control on the receiver or amplifier completely to the right, and turn the power

on. If the left cube array now works properly, the left channel of your amplifier or receiver is probably defective.

Caution: Do not connect the other cube speaker array to the channel in question. If the amplifier or receiver channel is defective, damage to your Acoustimass-SE5 system might occur.

Problem:

The right cube array doesn't play or sounds distorted.

Solution:

Use the same procedure as given for the left cube array, but substitute the words "left" for "right" and "right" for "left."

Problem:

The whole Acoustimass-SE5 system does not play or sounds distorted.

Solution:

Turn off the receiver or amplifier and disconnect the Acoustimass-SE5 system. Reconnect the Acoustimass system to another receiver or amplifier known to be working properly. If the Acoustimass-SE5 system now works properly, the problem is not in the Acoustimass-SE5 system.

Note: If this is the case, you should check all user accessible fuses on your receiver or amplifier (see the appropriate owner's guide for help). If the fuses blow again, have the amplifier or receiver checked by qualified personnel.

If trouble persists in your Acoustimass-SE5 system, contact your authorized Bose® dealer. He will verify any defects and arrange for service by an authorized service agency or by the Bose factory. Bose Corporation will make every effort to remedy any problem within the terms of the warranty at minimum inconvenience to you.

Accessories

Bose® offers a variety of mounting accessories to enhance the flexibility of your Acoustimass®-SE5 system. For information and ordering instructions, contact your local Bose dealer, or call Bose, toll free, at 1-800-444-BOSE in the USA; or 1-800-465-BOSE in Canada.

Technical Information

Features

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

Driver Complement

Two 5 1/4" (13.3 cm) low-frequency drivers
Four 2.5" (6.4 cm) magnetically shielded, wide-range drivers in cube arrays

Compatibility

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

Finish

Acoustimass module: Scratch-resistant textured vinyl
Cube arrays: Painted polymer finish

Dimensions

Acoustimass module: 14"H x 19"W x 7 1/2"D
(35.5 x 48 x 19.1 cm)
Cube array: 8 1/4"H x 4 1/8"W x 3 9/16"D
(21 x 10.5 x 9.1 cm)

Weight

30 lb (13.6 kg), in shipping carton

Limited Warranty Bose Product

What is covered: All parts defective in material or workmanship.

For how long: 5 years from the Acoustimass-SE5 system purchase date.

What we will do: We will repair or replace, at our sole option, free of charge, any defective parts.

What we will not do: Pay shipping or transportation charges from you to us.

What you must do:

1. Return product personally with original proof of purchase from an authorized Bose dealer to your authorized Bose dealer, or
2. Return product personally with original proof of purchase from an authorized Bose dealer to the nearest authorized Bose Service Agency, or
3. Return product with original proof of purchase from an authorized Bose dealer directly to the Bose factory. If you elect to return the product directly to the Bose factory,
 - a. Call the Bose Service Department at **(508) 366-9896**, and ask to be assigned a return authorization number and shipping instructions;
 - b. Properly pack the product in the original carton for shipping. If you need a new carton, contact Bose Corporation for a new carton available at nominal charge;

- c. Label and ship, freight prepaid, to the address provided by the Bose® Service Department, and
- d. Place your return authorization number prominently on the outside of the carton. (Cartons not bearing a return authorization number will be refused.)

Other conditions: This warranty is fully transferable provided the current owner furnishes the original proof of purchase from an authorized Bose dealer. ANY IMPLIED WARRANTIES EXPIRE AT THE EXPIRATION DATE OF THIS WARRANTY. WE SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty does not cover a defect that has resulted from improper or unreasonable use or maintenance, accident, improper packing, or unauthorized tampering, alteration or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced.

Other Law Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or country to country. Some places do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Contact your local authorized Bose dealer or distributor for warranty information if you purchased product outside the United States.

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Gedruckt in USA 779 PN 143937

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Imprimé aux Etats-Unis 779 PN 143937

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