

Using the Smaller Advent Loudspeaker

This cabinet is constructed of non-resonant particle board finished in walnut-grained vinyl

The smaller Advent Loudspeaker is a two-way, acoustic suspension speaker system intended to do fullest justice to the reproduction of music. In addition to its ability to reproduce the highest and lowest notes of musical interest, it has all of the characteristics required for accurate presentation of the most complex orchestral sound. And its octave-to-octave musical balance has been chosen carefully to suit the widest range of recording techniques. We believe you will find its overall musical performance as convincing as that of any loudspeaker, regardless of price, size, or design.

Connection to an amplifier

We recommend the use of 18-gauge standard lamp cord for connecting the speaker to the amplifier for runs of up to 50 feet (for longer runs, heavier 16-gauge cord is recommended). On your amplifier there are two terminals for each speaker usually labeled "+" and "-". For an individual speaker, it does not matter which of these terminals connects to which terminal on the speaker. However, when connecting more than one speaker, it is important that each speaker be connected to each amplifier channel in the same way. For example, if one speaker's "0" terminal is connected to one stereo amplifier channel's "+" terminal, the other speaker should be connected identically to the other channel. All speaker cables are coded in some way to help make the connection identical for each speaker, such as by a seam running down the insulation of one of the cable's two wires. If you are confused at all, consult your amplifier's manual, which may have a hook-up diagram that will clarify things for you.

Connecting speakers identically assures that all the speaker cones move back and forth together, "in phase." If you are not sure the connections are correct for proper phasing, a simple listening test will verify them. Place the speakers face-to-face a few inches apart, and listen to a musical selection briefly with your amplifier or receiver in the **Mono** mode. Then reverse the connections on **one** speaker and listen again. Whichever way yields fuller and louder sound is the correct one.

Speaker placement

The Smaller Advent Loudspeaker is finished on all four sides so that it may be placed horizontally or vertically in any convenient location in your room. If you have the time and inclination, you can experiment with various placements, with the knowledge that room acoustics can often produce large apparent differences in the sound for small changes in placement. For example, although the speaker may be located at any height above the floor, locating the high frequency speaker where near ear level often provides the most realistic musical imaging. Another rule of thumb is that the proportion of bass increases as you move a speaker closer to intersecting room surfaces (wall and wall, wall and floor, wall and ceiling), and that the greatest bass results from placement at the intersection of three surfaces, such as in a corner at the floor or ceiling. With these rules in mind, you should be able to obtain the balance you prefer with reasonable ease.

Power handling

As with any product, the Smaller Advent Loudspeaker has operating limits, and consistently exceeding those limits will damage the speaker. Fortunately, there is an audible warning when those limits are reached: distortion, such as "fuzzy" or "gritty" sound, which is usually the result of driving an amplifier beyond its undistorted power capability. Overdriving an amplifier or receiver - **including one with a modest power rating** - in turn overdrives the speaker so that permanent damage results. Should you encounter the warning of distortion at loud volume levels, no harm will be done if you immediately turn down the volume to a point where the distortion disappears. However, **prolonged operation at distorted volume levels can damage the speaker system, and such damage is not covered by the warranty.**

Fusing the speaker

To help protect against such damage, the speaker may be fused with a **one-amp, slow-blow fuse**, inserted in either of the two leads connecting the speaker to the amplifier. This

type of fuse will blow if sustained power sufficient to damage the speaker is present, but usually will not interfere with instantaneous musical peaks: it will pass 200 watts for one second, 12 watts for 30 seconds, and 6 watts continuously. However, it will not protect the speaker from sudden, on musical transients, so keep your volume control at a lower setting when changing records or FM stations.

The correct fuse designations are MDL-1, 3AG 1 amp Slo-Blo, or FNM-1; they are readily available under such brand names as Littlefuse and Fusetron. If you have any difficulty obtaining fuses and holders locally, write Advent's Customer Relations Department for information on ordering them from the factory.

Using multiple speakers

Most amplifiers will properly power the 4-ohm Smaller Advent Loudspeaker and an 8-ohm speaker in parallel with it on the same channel. However, in a small minority of instances, the low impedance of the parallel speakers may result in distortion due to the tipping of the amplifier's output protection device. Should this occur, no damage will result, and the distortion can be eliminated simply by connecting a 2-ohm, 5-10 watt resistor in series with one of the terminals on the Smaller Advent. If you have any difficulty obtaining these resistors locally, they may be ordered at no charge from Advent's Customer Relations Department.

Limited warranty

For five years after this loudspeaker is purchased, Advent will repair for the original consumer owner any defect in materials or workmanship that occurs in normal use, without charge for parts or labor.

Excluded from this warranty is damage that results from 1) abuse, accidents, shipping, or unauthorized repairs or modifications. This warranty is void if the serial number has been removed or defaced.

To validate this warranty, you must complete and sign the Warranty Registration Form which was attached to the outside of the carton when you purchased this product.

Your other responsibilities are to use the loudspeaker in accordance with the instructions in the owner's manual, to provide transportation to the Advent Factory or the authorized Advent service representative who will perform warranty service, and to **present your copy of the Warranty Registration Form when requesting service.**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

In case of difficulty

Advent performs its warranty service only at its own factory or through authorized Advent service representatives. If your loudspeaker needs service during the warranty period, take it to the store named on the Warranty Registration Form, unless Advent has notified you to take it elsewhere.

If it is not possible to return this loudspeaker to your designated service representative, please write to the Advent factory, Attention Customer Relations, 195 Albany Street, Cambridge, Massachusetts 02139. Send us a copy of the Warranty Registration Form, and give us a specific description of the problem, including when it does and when it doesn't occur. Also tell us whether or not you have retained the original carton and fillers, or whether you need new ones (which we will provide at no charge). We will then advise you of what action to take.

If it is necessary to return the loudspeaker to the Advent Factory, please ship it freight prepaid, using the Authorized Return label which we will provide in our response. (Since shipping is your responsibility, we recommend that you insure it.) After it has been repaired, the loudspeaker will be returned, freight prepaid in the United States and Canada.

Advent Corporation
Cambridge, Massachusetts 02139
Made in USA 85-952-334

Tested by **Inspected by**

Serial number