

Using the New Advent Loudspeaker

ADVENT

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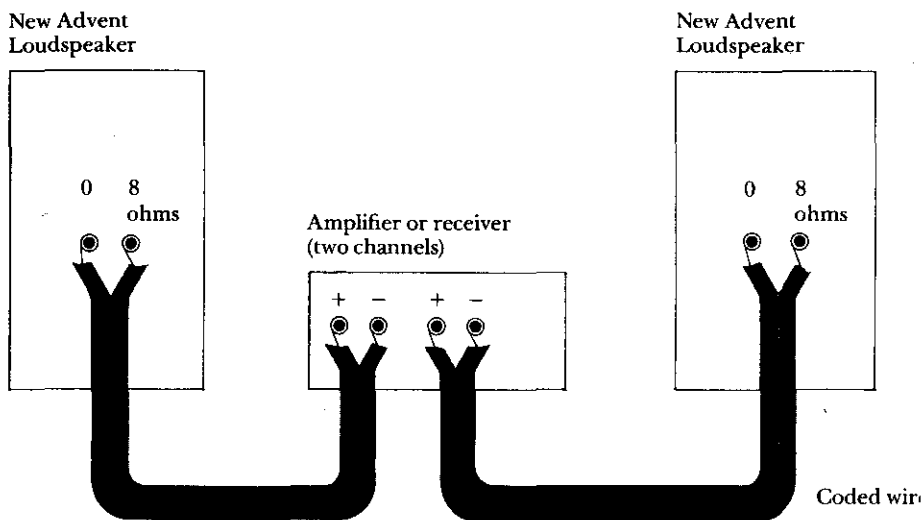
The New Advent Loudspeaker is a two-way, acoustic-suspension speaker system intended to do fullest justice to the reproduction of music in the home. In addition to its ability to reproduce the highest and lowest notes of musical interest, its octave-to-octave musical balance has been chosen carefully to suit the widest range of recording techniques.

Connection to an amplifier

We recommend standard 18-gauge "lamp" cord for connecting this speaker to your amplifier or receiver. When using more than one speaker, as in a stereo system, it is important that each speaker be connected in the same way to each channel of the amplifier. This ensures that the speakers operate "in phase," that is, that their cones move back and forth together to yield fullest bass response and proper stereo imaging.

Connecting speakers identically to each channel is facilitated by the coding of each pair of speaker terminals on your amplifier by "+" and "-", different colors, or other means (see your amplifier's operating instructions). The speaker's terminals, in turn, are marked "0" and "8 ohms." For any one speaker it does not matter which of the pair of terminals on the amplifier corresponds to which terminal on the speaker. But it is important that all speakers be connected identically. For example, if you connect the "-" terminal on one amplifier channel to the "0" terminal on the first speaker you hook up, connect successive speakers the same way. Most lamp cord is also coded, by such means as ribbing along the insulation of one lead, to help you make identical connections, as illustrated.

Once the speakers are connected, you can check for proper phasing by means of a simple listening test. Place the speakers face-to-face, just a few inches apart. Set your amplifier to Mono, play some music, and reverse the connections to *one* speaker. Whichever way yields fuller and louder sound is the correct one.



Speaker placement

The New 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 somewhere 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 most bass (in many cases too much) results from placement 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.

The high-frequency switch

A factor that varies widely in recordings is their overall high-frequency characteristic — a function both of the amount of high-frequency musical material present, and the amount of extraneous noise and distortion present along with (or instead of) it. To provide for the range of characteristics that exist, the three-position switch on the speaker's rear panel selects among three different high-frequency contours above 2,000 Hz.

The position you prefer is ultimately a subjective choice. However, we offer these guidelines to experimenting with the switch:

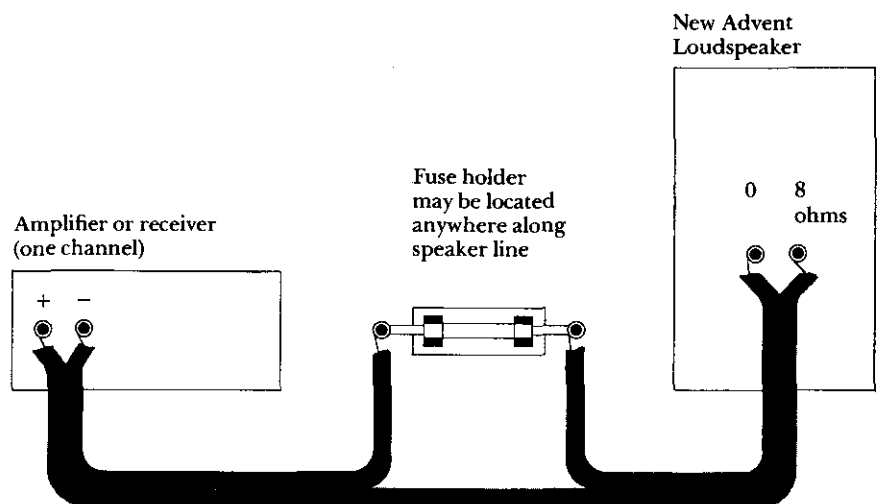
- **Normal** will provide a balance appropriate to clean, modern recordings and broadcasts in most listening rooms.
- **Decrease** provides a balance you may find particularly appropriate to two categories of recordings. First, it reduces the annoyance of high-frequency noise and distortion on older recordings. Second, you may prefer it on many classical orchestral recordings, old and new. Because microphones are usually placed close to the instruments, much more high-frequency energy is recorded than ever reaches the concert-goer. On such recordings, the decrease position most closely reproduces the orchestra's high-frequency balance at a seat out in a large concert hall.
- **Extended** selects the maximum high-frequency output, suitable for the very best modern recordings and for large and/or acoustically "dead" listening rooms. In normal or smaller rooms, you may find the sound it provides over-bright.

Power handling

As with any product, the New Advent Loudspeaker has operating limits, and consistently exceeding those limits will damage the speaker. Fortunately, there is an audible warning when those limits are approached: 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, as illustrated. 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 400 watts for one second, 25 watts for 30 seconds, and 12 watts continuously. However, it will not protect the speaker from sudden non-musical transients, so keep volume low 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 Littelfuse 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.



Limited warranty

For five years after the New Advent 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 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 the Warranty Registration card which was attached to the carton when you purchased this product, and mail it to Advent (no postage is necessary in the United States).

Your other responsibilities are to use the loudspeaker in accordance with the operating instructions, to provide transportation to the Advent factory or the authorized Advent service representative who will perform warranty service, and to *present proof of purchase in the form of the Owner's Record card and your sales slip 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 factory or through authorized Advent service representatives. If your loudspeaker needs service during the warranty period, take it to the store where you purchased it.

If it is not possible to return this loudspeaker to the store where you purchased it, please write to Advent, Attention Customer Relations, 195 Albany Street, Cambridge, Massachusetts 02139. Send us a copy of your Owner's Record card and your sales slip, and give us a specific description of the problem, including when it does and when it doesn't occur. Also tell us whether 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.

The New Advent Loudspeaker's cabinet is constructed of non-resonant particle board finished in genuine walnut veneer with a solid walnut front molding.

The Utility version's cabinet is constructed of non-resonant particle board finished in walnut grained vinyl.

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85-954-088
Printed in USA