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The  
**MACROPHONE™**

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by

**DCM**

## **OWNER'S INSTRUCTIONS**

### **PLEASE READ THIS FIRST!**

Thank you for choosing the **MACROPHONE**.

We wish you countless hours of listening pleasure for years to come.

To assure the best performance of the **MACROPHONES** in your home, please take a few minutes to read these instructions carefully, **BEFORE** you set them up.

**NOTE:** Please be sure that you have a mirror-imaged pair of **MACROPHONES**, an "A" and a "B" unit. The logo plates should be on opposite corners of the two grilles.

## UNPACKING

To easily remove the **MACROPHONE** from its carton, fold the four top flaps outward. Then, holding the inner packing materials in place, tip the box over onto its end, and simply lift the carton away. If there is any sign of shipping damage, don't worry, but notify your dealer at once. After unpacking, save the cartons and all inner packing materials. You can slit the tape (and/or *carefully* remove the staples) and fold the cartons flat for convenient storage.

At this time, please fill in BOTH warranty cards, putting both serial numbers and date of purchase on both cards. Serial numbers are indicated on the back of the units, and also on the tops of the cartons. Mail only ONE card, and *keep the other card* for your records.

## PLACEMENT IN YOUR ROOM

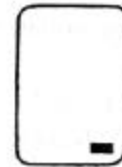
The **MACROPHONE** system consists of two mirror-imaged units, an "A" and a "B" unit. You can easily tell the difference by noting that the logo plates are on opposite corners of the two **MACROPHONES**. One of these will be your Right speaker, and one the Left, depending on the height at which you place them, relative to your ears.

For the best stereo image, the "A" and "B" units should be placed so that the logo plates are toward the center, closest to each other. The logo plates should also be positioned closer to the floor (or ceiling if the **MACROPHONES** are placed above you) than to ear level.

The illustrations show the correct orientation of the "A" and "B" units in different placement situations. Note the locations of the logo plates.

The **MACROPHONES** will fit practically anywhere you want music, and, of course, you can easily move them from room to room. A little ex-

Place the "A" and "B" units...



A

this way,  
at or below  
ear level...



B



B

or this way,  
at or above  
ear level.



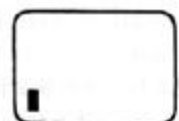
A

If space limitations require horizontal placement:

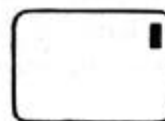


B

this way,  
at or above  
ear level...

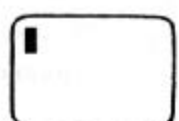


A



A

or this way,  
at or below  
ear level.



B

perimenting will show you the locations which give you the best sound at a variety of listening positions in each room.

Start with these simple guidelines.

Generally, it is preferable to place the **MACROPHONES** along the narrower wall of your room, facing the longer dimension of the room, as far as practical from the side walls (1½ feet or more is best).

The best distance between the speakers depends on where you will be, relative to them. The best stereo image will result from placing them no farther apart than they are from you. For example, if you are about 6 feet from each speaker, placing the speakers 4 or 5 feet apart is best. Even if you are 12 feet or more from the speakers, they only need to be about 6 feet apart.

One special advantage of the **MACROPHONES** is that you can enjoy them at much softer levels than most other speakers. You can sit close enough to the **MACROPHONES** to touch them, and still listen to soft music. Try them near your bed!

But, with the **MACROPHONES** up close, you can also enjoy the full impact of the most dynamic music without disturbing the neighbors.

You can put the **MACROPHONES** almost anywhere: on stands, shelves, wall brackets, or on tables, dressers, etc. Wherever you put them, please be sure their weight is safely supported. The space between the **MACROPHONES** should be free of obstructions so as not to interfere with the stereo image. If necessary, you can adjust their height from the floor to raise them above furniture, etc., between them. Both units should be positioned at the same height.

Placement 24 to 48 inches above the floor, with 12 inches or so from ear level, is good in nearly any room. If the **MACROPHONES** are placed more than 12 inches above ear level, the "A" and "B" units should be reversed, so that the logo plates are toward the center and closer to the ceiling. It is best to keep the **MACROPHONES** at least 2 feet below the ceiling.

The **MACROPHONES** are intended to stand upright. However, if circumstances make horizontal placement more convenient, just be sure to place the "A" and "B" units so that the logo plates are toward the center and closer to the floor (or ceiling) than to ear level.

You can "fine tune" the sound by adjusting the height, distance from back and side walls, and the distance between your **MACROPHONES**. Sometimes even a few inches can make a significant

improvement. Moving your listening seat a few inches away from a nearby wall can help, too.

The knob on the back of the cabinet controls the treble output. Clockwise rotation produces a brighter balance, generally better in larger rooms or at greater listening distances.

## CONNECTING THE MACROPHONES TO YOUR SYSTEM

It is a good idea to leave some extra wire so you can experiment with various placements. Once you have decided on the approximate location of your **MACROPHONES**, measure out enough (plus a little extra) speaker wire to reach from each speaker to your amplifier. Allow enough wire so that you can place wires neatly out of the way, where they will not be stepped on or tripped over. Speaker wire should be 18-gauge or heavier (lower numbers indicate heavier wire); for lengths of over 20 feet, at least 16-gauge is recommended. The wire should be color-coded for ease in keeping track of polarity (*plus* and *minus*) in the system. Some speaker wire is colored gold for *plus*; other kinds have a ridge or stripe on the insulation.

Before connecting anything, *turn off your amplifier and unplug it from the wall!*

Remove about one-half inch of the insulation from each end of the speaker wires. Be careful not to score or nick the individual strands of wire. Carefully separate the two insulated parts of the wire, about two inches at each end. Be sure that each side's insulation is intact. Twist the exposed strands of each conductor so that a stray strand cannot possibly connect the *plus* and *minus* sides of the wire.

Press the lever beneath the red terminal on the back of the **MACROPHONES** and insert the end of the *plus* wire straight into the terminal hole. Release the lever to secure the connection. Make sure that no stray strands are exposed. Repeat with the black terminal and the *minus* wire. Gently tug on the wires to verify a firm connection.

NOTE: If your amplifier is rated at over 50 watts R.M.S. per channel, and you listen at loud levels, we recommend inserting a 2-amp *fast blow* fuse in series with the *plus* wire. This will avoid possible damage to the speaker if the amplifier "clips" or oscillates from being driven beyond rated output power. If you have any questions as to how to install the fuse, ask your dealer.

Refer to the illustrations to be certain that the "A" and "B" units are properly positioned left and right. Now connect the wires to the appropriate output terminals on the back of your amplifier, left *plus* wire to left *plus* terminal, left *minus* (or *ground*) terminal, etc. Consult the amplifier instructions for proper connection details. All connections should be neat and firm so that there is no chance of a short circuit.

Long wires can get tangled—separate the two speaker wires and *be certain* that you have *not* accidentally wired the two speakers together, with the other wire connecting the two amplifier output terminals together. This could cause severe damage to the amplifier.

Double check that all other connections to the amplifier are correct and firm. Now plug in the amplifier, turn on some music, and ENJOY!

#### HOW TO CARE FOR YOUR MACROPHONES

Your **MACROPHONES'** lacquered finish will maintain their appearance for many years with minimal attention. Please use no solvents to clean the finish of your Macrophones. We recommend Guardsman, Pledge, or Johnson's Paste Wax. Do not place your Macrophones near radiators or any other direct heat source, nor in any direct sunlight (this may bleach the wood and fade the grilles). Drinks may leave water marks on the wood. If you

wish to have a plant (or any other object) on top of your Macrophones, protect the finish by putting a cloth or several layers of paper towel under the object. Be careful when watering plants!

Avoid getting moisture on the cabinet, or on the grille. Liquids spilled on the grille should immediately be blotted gently with an absorbent cloth. Dust and lint can be removed from the grille with masking tape.

Keep your **MACROPHONES** away from radiators or other heat sources, and avoid prolonged exposure to direct sunlight.

#### WHAT TO DO IF YOU NEED SERVICE

Every part of every DCM loudspeaker is thoroughly inspected and tested before and after assembly. Each of your **MACROPHONES** was subjected to a rigorous series of tests to assure consistent quality and longterm reliability.

In the unlikely event that you should even *suspect* a malfunction, contact your dealer for prompt attention, and service if needed. If your dealer is at an inconvenient distance, please contact DCM Corporation directly.

Never ship your **MACROPHONES** without their complete packing materials. If you need replacement cartons or inner packing materials, they are available at a nominal charge from your dealer or from DCM Corporation.

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# The **MACROPHONE**<sup>TM</sup>

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is made in U.S.A.

by **DCM CORPORATION**

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Ann Arbor, Michigan 48104

Patents pending.

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