

## *TF-400 SERIES TWO* TECHNICAL SPECIFICATIONS

FREQUENCY RANGE	40Hz - 20kHz
SENSITIVITY	92dB/1WATT/1METER
IMPEDANCE:	6 OHMS NOMINAL
USABLE POWER RANGE	5 - 150 WATTS
ENCLOSURE TYPE:	REAR-PORTED HYBRID STAGGERED TRANSMISSION LINE
DRIVER COMPLIMENT:	(1) 3/4" COAXIALLY MOUNTED SOFT DOME TWEETER  (1) 6-1/2" MID/BASS POLYPROPYLENE DRIVER WITH BUTYL RUBBER SURROUND  (1) 6-1/2" POLYPROPYLENE WOOFER WITH BUTYL RUBBER SURROUND
DIMENSIONS	38 x 14-3/4 x 7-3/4 INCHES (HxWxD)
NET WEIGHT	38 LBS.

### WHAT TO DO IF YOU NEED SERVICE

*DCM loudspeakers have a history of extremely high reliability. However, should your TF-400 Series Twos require service, please contact your dealer. If for some reason this is inconvenient, please contact DCM Corporation directly.*

**DCM** Corporation

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**DCM**

*TF-400 Series Two*  
*TimeFrame Series*



**OWNER'S  
INSTRUCTIONS**

*the difference is clear*

## UNPACKING

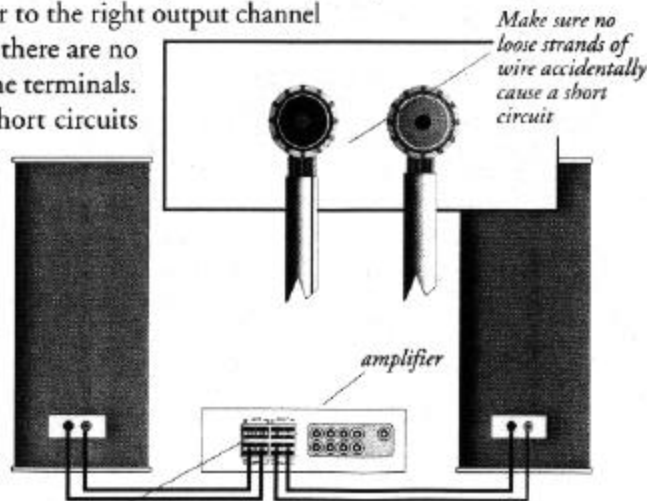
Each shipping carton contains one *TF-400 Series Two* speaker and a warranty card. After carefully unpacking your speakers, please save the boxes and the packing materials for possible use later. If either speaker appears to be damaged, please do not attempt to connect them. Repack both speakers in their original cartons and notify your DCM dealer.

## CONNECTION

Turn off your amplifier and unplug it from the power outlet before attempting to connect your speakers. We recommend 16 gauge (or larger) speaker wire. Strip away approximately 1/2 inch of insulation off each wire conductor. Connect one conductor to the negative (black) terminal of the left speaker. Connect the other end of the same conductor to the negative output terminal on the left channel of your amplifier. Note that most speaker wire is color coded, or ribbed on one side, for easy identification of positive and negative leads.

Similarly, connect the positive (red) terminal of the left speaker to the positive output terminal in the left channel of your amplifier. Repeat these steps to connect the right speaker to the right output channel of the amplifier. Be sure there are no loose strands of wire at the terminals. Loose wires can create short circuits that may damage the amplifier.

You may now plug in your amplifier and begin to enjoy your *TF-400 Series Two's*.



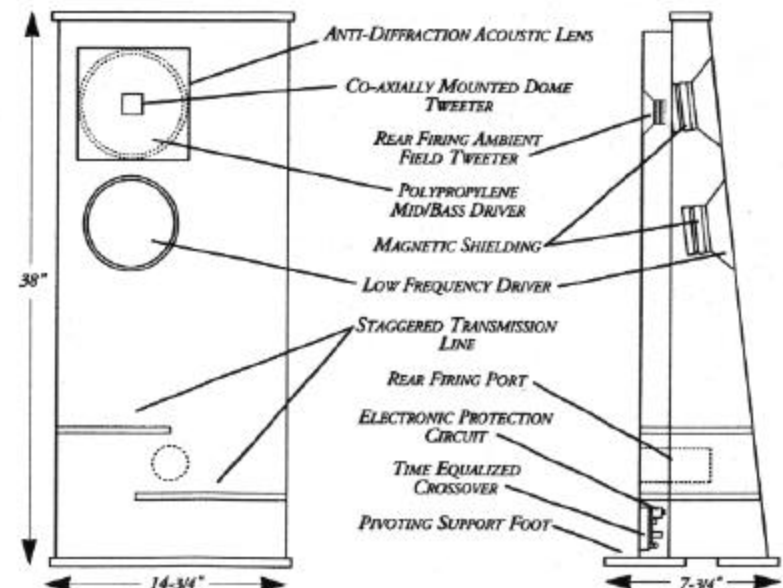
Your *TF-400 Series Two's* should be connected to your amplifier with the correct polarity. This insures that the pair will be in phase with each other, and will provide the best sound performance.

# THE DCM *TF-400 SERIES TWO* *TimeFrame Series Speakers*

Thank you for choosing the extraordinary *TF-400 Series Two* Co-axial loudspeakers for your entertainment system.

Designed with experience and knowledge gained from two decades of research and design, the *TF-400 Series Two* integrate many advanced technologies, including transmission line enclosures, time equalized crossovers, co-axial driver placement, and anti-diffraction acoustic lenses. No other speaker delivers as much musical clarity, extended bass response, and balanced imaging per dollar invested, as the *TF-400s*.

To insure your total satisfaction, please read the following instructions before connecting the speaker to your system. Should you have any additional questions, please contact your dealer or call DCM directly at 1-800-878-TIME, between the hours of 9:00 AM and 5:00 PM, Eastern Time, Monday through Friday.



## UNDERSTANDING THE TF-400 SERIES TWO'S DESIGN

The TF-400 Series Two design elevates the speakers inside the enclosure to an optimum ear level position when placed directly on the floor. The broad dispersion characteristics of the co-axial drivers make possible a variety of positions which will still yield a focused accurate stereo image.

For the most precise stereo imaging, the drivers have been placed asymmetrically behind the grilles - the left TF-400 Series Two has its drivers mounted to the right of center, while the right speaker has them to the left of center. This "mirror imaging" helps control undesirable resonance and adds to the overall depth of sound.

## SPEAKER PLACEMENT

First, for stability, be sure to pull out the pivoting support foot from the bottom of each speaker. This will prevent the speakers from toppling on heavy padded carpet, and also afford the rear clearance necessary for the rear firing port.

When properly positioned the DCM logo nameplates will be on the inside edges of the pair. These nameplates are located on the front grille fabric and distinguish the left and right loudspeakers. Additionally, the shipping boxes have been stamped as a left or right loudspeaker.

An ideal starting point is to try to achieve an "equilateral triangle" placement, with the loudspeakers as far from each other as from the listener.

Best bass response is obtained by placing the speakers on the floor 4 to 8 inches from the rear wall. Bass response may also be enhanced by moving the speakers nearer to room corners. Since the woofers of

the TF-400 Series Two are magnetically shielded, you may even place the speakers next to your video monitor, if necessary, with no ill effects. As all rooms have different acoustic properties, we encourage you to experiment with speaker placement.

## FUSING

Any speaker can be damaged if the amplifier driving it should fail. Damage may also occur by playing music so loudly that it sounds distorted. This can happen even with a low powered amplifier. Your TF-400 Series Two's are very sturdy, and also incorporate an auto-reset circuit breaker which guards against certain types of electrical stress. Fusing can provide additional protection, and under certain operating conditions, may be recommended.

To properly install optional fuses (not provided), fuse holders should be inserted into the positive (+) wire connecting each speaker to your amplifier. Use 2 ampere, fast-blow Bus AGC Series or equivalent fuses.

## REGISTRATION

Now is the best time to fill in your warranty card, recording serial numbers, date of purchase, and dealer name and address. The serial number is located on the top flap of the outer carton, and next to the inputs on the back of the cabinet.

## MAINTENANCE

The solid oak trim of your TF-400 Series Two can be cleaned with any high quality furniture polish. Dust may be wiped from the grille cloth with a piece of felt, or carefully vacuumed if necessary. Do not place any speakers near radiators or other heat sources, such as direct sunlight, since these may fade colors over time.

