

**50-20820**

**OWNER'S MANUAL**

# 2-Way Bookshelf Speaker



- Thank you for choosing our 2-way loudspeakers. These bookshelf speakers have been designed using exceptional components and workmanship that will provide fantastic audio performances at the greatest value.

## CONNECTING YOUR LOUDSPEAKERS

Your bookshelf speakers include a length of LEFT and RIGHT speaker wire that you can use to connect your speakers to any 4-8 Ohm amplifier. Should you require greater distance, a heavier wire should be used. For proper performance the speakers must have correct polarity. To insure proper polarity, connect the red speaker binding post on the back of the speaker to the red amplifier terminals and the black speaker binding post to the black amplifier terminals. The speaker wire is colored RED/BLACK to help you do this.

## ROOM PLACEMENT

Your bookshelf speakers have excellent off-axis response and great dispersion, so positioning them in any environment will result in an excellent listening experience. Allow your speakers a little "break-in" time before permanently positioning them in the room. At moderate to low level, play a variety of music through the speakers over a day or two. This will allow the components to reach readiness for regular use and performance.

## POSITIONING YOUR SPEAKERS

Start with the bookshelf speakers placed directly in front of your primary listening position. Position the cabinets about 1-2 feet away from any wall or furniture. As you are listening to your favorite songs pay close attention to the quality and separation of music, vocals, and instruments. Move your bookshelf speakers farther apart or closer together to optimize your listening experience. Always listen to several musical selections so that you hear bass (drums and bass guitar), midrange (vocal and horns), and treble (cymbals and highs) from a variety of instruments and vocalists. Positioning your speakers properly can be time consuming, but the rewards will be worth the effort.

## MAGNETIC GRILLS

The speaker grills found on your bookshelf speakers use high strength magnets. These grills can be removed easily for cleaning and/or if you would prefer to see your speakers in action for aesthetic purposes. To remove the grill, use one finger on each top corner of the grill pushing the grill toward you. To replace, simply position the grill squarely over the front of the cabinet and the grill will attach itself. Align the grill as required.

## CABINET CARE

The finish of your speakers can be maintained and enhanced by periodic use of a surface protection such as an automotive vinyl protection found at most auto stores. Otherwise a lightly dampened fiber cloth will do an excellent job of cleaning. Try not to use any fabric that may leave behind particles or fabrics. Your grills can be vacuumed or brushed to remove dust.

## POWER RATINGS

Any speaker can be damaged by an amplifier so try to match your bookshelf speakers as accurately to our published specifications as possible.

### • NEVER, NEVER, NEVER set the volume level above the point of distortion.

Distortion is an indication that the amplifier or loudspeaker is operating beyond its design limits. If you hear distortion, immediately turn down the volume. Damage can occur quickly so never ignore distortion! Your bookshelf loudspeakers are designed to reproduce music and speech in a home environment at standard listening levels, when taken care of and operated within the stated specifications they will provide you with excellent sound for many years to come.

## Speaker Specifications:

- Woofer: 6.5" polypropylene cone
- Tweeter: 0.62" polycarbonate ferrofluid cooled
- Power handling: 40 watts RMS/75 watts MAX
- System Impedance: 6 ohms
- Frequency response: 70-20,000 Hz
- Sensitivity: 87 dB 1W/1m
- Dimensions: 7" W x 11.8" H x 6.43" D