

**DESCRIPTION**

The Electro-Voice E-V SIX•B is a distinguished three-way reproducer offering the finest possible listening quality for its size and price range. The use of four separate drivers, each handling a special portion of the audible spectrum, permits vastly lower distortion and wide frequency range. Carefully matched to the driver components and constructed of selected hardwoods, the E-V SIX•B enclosure is a superb combination of fine furniture design and acoustical excellence.

Good low-frequency response is the foundation of a speaker system's performance. The E-V SIX•B employs two 12-inch acoustic suspension woofers in a totally sealed enclosure. The new, closed-cell foam half-roll surround allows long, linear cone excursion and keeps the cone accurately centered for trouble-free operation. Magnet structures totaling 12 pounds provide the highest efficiency consistent with good transient response.

Mid-range performance often determines long-range satisfaction with a speaker system. Because the ear is most sensitive to mid-range sound, distortion or uneven response may cause "listener fatigue." The 8-inch mid-range speaker in the E-V SIX•B is designed to minimize these problems. A neoprene half-roll surround affords linear control of cone movement for smooth frequency response. Careful selection of cone material and geometry reduces distortion caused by cone breakup. Speaker resonance is below its operating range to further minimize disturbances.

Highs are given definition and wide dispersion by a new 1½-inch dome tweeter. An aluminum voice coil keeps moving mass to a minimum for extended high-frequency response. A viscous-damped half-roll surround, similar in

operation to those on the midrange and woofers, controls dome movement in the lower registers of its operating range.

The three-way LCR crossover balances the various components and permits adjustment of highs to match room acoustics. A five-position switch compensates for any listening situation or preference.

**SPECIFICATIONS**

Frequency Response:	30 to 20,000 Hz
Nominal Impedance:	8 ohms
Power Handling Capacity	
Program:	35 watts
Peak:	70 watts
Dimensions:	25" h. x 29½" w. x 15" d.
Finish:	Oiled walnut
Shipping Weight:	90 lbs.

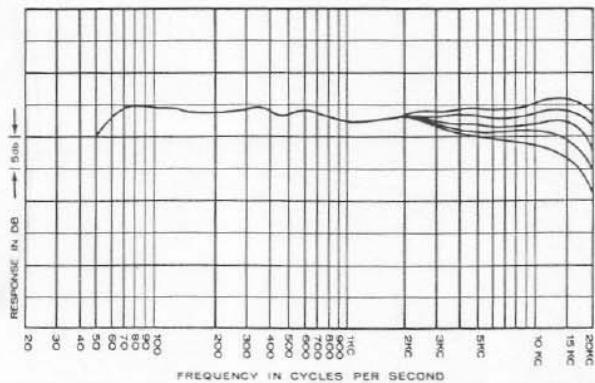


Figure 1 - Frequency Response

## PLACEMENT

For stereophonic reproduction, two E-V SIX•B systems should be far enough apart to permit the listener to sit at the apex of a 30° to 40° angle as shown. A distance of six to eight feet between stereo speakers will, in most arrangements, provide natural separation. Placing loudspeakers too close together or listening at too great a distance will destroy the stereo effect, since essentially monophonic sound will be heard by the listener. Extreme spacing between speakers or listening at too short a distance will produce exaggerated and unreal separation. In long rooms, the loudspeakers should be placed along one of the short walls facing into the long room dimension. This improves bass reproduction and provides good stereo listening over most of the room.

## CONNECTIONS

The E-V SIX•B system has a nominal impedance of eight ohms. Connection should therefore be made between the left terminal (T1) and the amplifier eight-ohm terminal; the right terminal (T2) should be connected to the amplifier COMMON terminal (sometimes identified as "O" or "C"). Connections should be made with No. 18 or larger wire; "zip" or lamp cord is quite satisfactory. If the speaker leads are to run behind a molding strip or under a carpet, TV twin lead may be used.

## ADJUSTMENT OF BALANCE CONTROL

The E-V SIX•B system is equipped with a five-position step-type control offering precise adjustment of the system to room acoustics and personal tastes. The action of this switch is shown in the frequency response curves. Switch position 3, which provides a "flat" frequency response will be approximately correct in most instances. Note, however, that room acoustics influence the response of any loudspeaker system, and the proper use of the balance control will permit adjustment of the system to any listening room. The best guide to setting the control properly is, of course, a familiarity with sound of live music. Acoustically "hard" or "live" rooms normally will require a retarded setting of the controls to compensate for the greater amount of high-frequency reflection. In "soft" or "dead" rooms with carpeting, draperies, and soft furniture, a more advanced setting of the control usually will be required. In addition, the balance control permits adjustment of the reproduced sound to one's personal taste without the distortion normally encountered in amplifier tone controls. That setting which provides the most pleasing overall sound to the listener is correct.

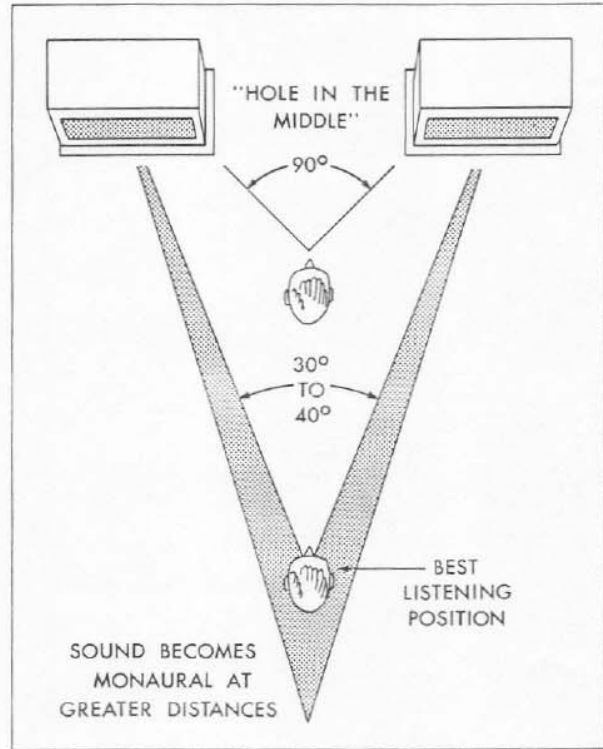


Figure 2 - Placement for Stereo

## CUSTOMER SERVICE

Electro-Voice systems are packed to provide protection well in excess of shipping requirements of the Interstate Commerce Commission. If shipping damage does occur, contact the carrier, requesting inspection and instructions, or contact the dealer from whom the unit was purchased. The E-V SIX•B is guaranteed indefinitely against defects in original workmanship and materials. Should your system become damaged or develop faulty operation from unusual conditions of use, please contact your dealer or the Electro-Voice Service Department. Be certain to mention the make and model number of other components used in the system, as well as the nature of the trouble.