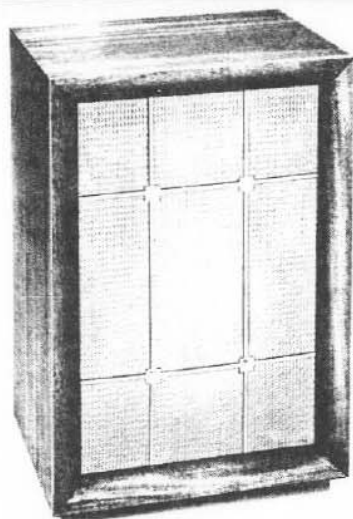




The Electro-Voice Marquis enclosure you have purchased will improve the bass range and response of any 12-inch loudspeaker and separate 2 and 3-way systems using a 12-inch bass driver, and is particularly effective when employed with Electro-Voice Models SP12, 12TRX, SP12B, 12TRXB, 12W, and 12BW.

The Marquis has also been adapted to provide adequate housing of most 15-inch speakers where it is essential to use an enclosure of these modest proportions. The cabinet is supplied with a 12-inch adaptor ring in place. Removal of this is easily effected and the enclosure is ready to receive your 15-inch loudspeaker.

The SP12 is a 12-inch coaxial loudspeaker employing a mechanical crossover, operating at the 6th octave to direct the sensitive high-frequency pulses of the treble register to the small Radax high-frequency propagator. The 12TRX is a triaxial reproducer similar to the SP12 with the exception that it has the T35 Super-Sonax very-high-frequency reproducer mounted coaxially. The Radax principle is also used in the 12TRX in addition to the electrical crossover made at 3500 cycles to the T35 Super-Sonax. The E-V SP12B and 12TRXB are similar to the previously mentioned loudspeakers with the exception that they employ a smaller magnet assembly, have a lower EIA (RETMA) sensitivity rating and the 12TRXB uses a T35B VHF driver rather than the T35.

The 12W is a low-frequency driver designed specifically for use in multi-way loudspeaker systems. The 12BW is similar but with smaller magnet structure and lower EIA (RETMA) sensitivity rating. Chart No. 1 is a compatibility table showing the basic full-range systems for the Marquis and how they may be expanded, using the E-V "Building-Block Method," to separate 2 and 3-way systems.

The Marquis employs a horn loaded reflex port giving a full octave of bass performance over any commercially available bass reflex cabinet. The design takes advantage of the corner afforded by the floor and wall of the room to extend the rear horn path and effect smooth extension of the bass performance of the loudspeaker being employed.

SPECIFICATIONS

Size: 29-5/8 inch high, 19 inch wide, 14-1/2 inch deep
Weight: 50 lb. shipping

INSTALLATION

Immediately upon unpacking the enclosure, carefully inspect it for physical damage. If damage is evidenced, notify the dealer from whom the unit was purchased, or the transportation company if the unit was shipped to you. Responsibility for shipping damage lies with the carrier and claim should be made for recovery.

12 AND 15-INCH DRIVERS - Lay the enclosure down with the grille up. Remove the screws along the narrow board just in front of the

false bottom and lift the board out. This will release the front frame assembly which now may be slid toward the bottom and out of its retaining guides by applying an even pressure. Remove the baffle board by releasing the wood screws now disclosed around the perimeter; then place face down on a flat surface. Remove the nuts and washers from the bolts on the reverse side of the baffle board and place the speaker over and down on the bolts, taking care to avoid tearing or rupture of the cone by inadvertently misaligning the speaker while mounting it. The speaker terminal location should be toward the bottom of the enclosure when the unit is mounted. Replace the washers and tighten the nuts down on the speaker frame being certain to tighten the nuts evenly and just snugly. Avoid injuring or distorting the loudspeaker frame thus warping the voice coil. Attach leads to the driver and feed out the back through the hole provided.

HIGH-FREQUENCY DRIVERS - If a high-frequency driver unit is to be mounted, such as in the deluxe system which includes a T25A driver, 8HD horn, and T35 VHF driver or the economy system which includes a T10A driver, 8HD horn, and T35B VHF driver, installation may be made now or later.

To mount the T25A or T10A unit and 8HD horn, remove the cover over the long horizontal port and install, following the instructions accompanying these units. Install the X8 crossover in position as shown in Figure 1.

Remove the snap-in button on the right rear apron of the loudspeaker enclosure and insert the AT37 level control under the decal marked "Presence". Replace the AT37 dial and fix it by tightening the lock nut with a pair of long-nosed pliers. Replace the knob on the AT37 control and note to be sure that the dot on the knob coincides with the zero on the dial at the maximum clockwise rotation.

VHF DRIVERS - To install the T35 (or T35B) VHF driver, remove the board on the small vertical port and place the driver in position. Put the T35 (or T35B) VHF Driver in place on the baffle board, following this by conventional washers and nuts, tightening carefully. Mount the X36 crossover network, used with the VHF driver, in its proper position (See Fig. 1) and install the AT37 level control, as discussed above, in the space provided under the decal labeled "Brilliance". The pictorial wiring diagrams of these speaker systems are shown in Fig. 1, and schematic wiring diagrams are detailed in Fig. 2. To replace the baffle board and front frame, reverse the procedure used to remove these parts.

OPERATION

PLACEMENT - The Marquis can now be placed in position either along the wall or in the corner of the room. Connect the system to the amplifier by running two leads (fixture wire No. 18) from the "Common" and "16-ohm" amplifier output taps to the lead-in wires of the system. Place the enclosure approximately 1-1/2 inches from the wall, although this distance is not critical. Adjacent to hard plaster walls, the units may be placed as far as 4 inches from the corner with improved response in the upper bass range, and against soft walls the spacing may be as close as 1 inch. Adjust this spacing for most pleasing musical balance.

OPERATION OF LEVEL CONTROLS - Level controls are provided for adjusting the amount of energy fed to the mid-range and/or very-high-frequency drivers in the two and three-way systems. The level control marked "Presence" controls that frequency range lying in the region between 800 cycles and 3500 cycles, and the "Brilliance" control governs the amount of energy radiated above 3500 cycles. Generally, because of the increased efficiency of these high-range drivers, the "Brilliance" and "Presence" controls should be adjusted to a partially retarded setting. Exact positioning of these controls will depend upon room acoustics and should be adjusted for most pleasing reproduction. Rooms having heavy drapes, thick rugs, or overstuffed furniture will usually require a more advanced setting of the "Brilliance" control than normal situations. To achieve a "front row" effect, the reproduction of the mid-range reproducer may be enhanced by advancing the "Presence" control.



