

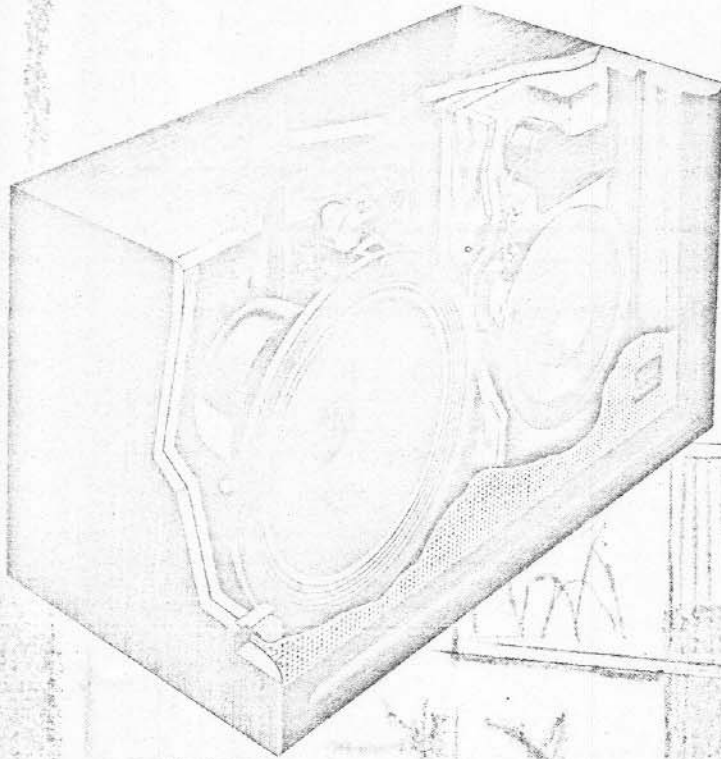


Electro-Voice

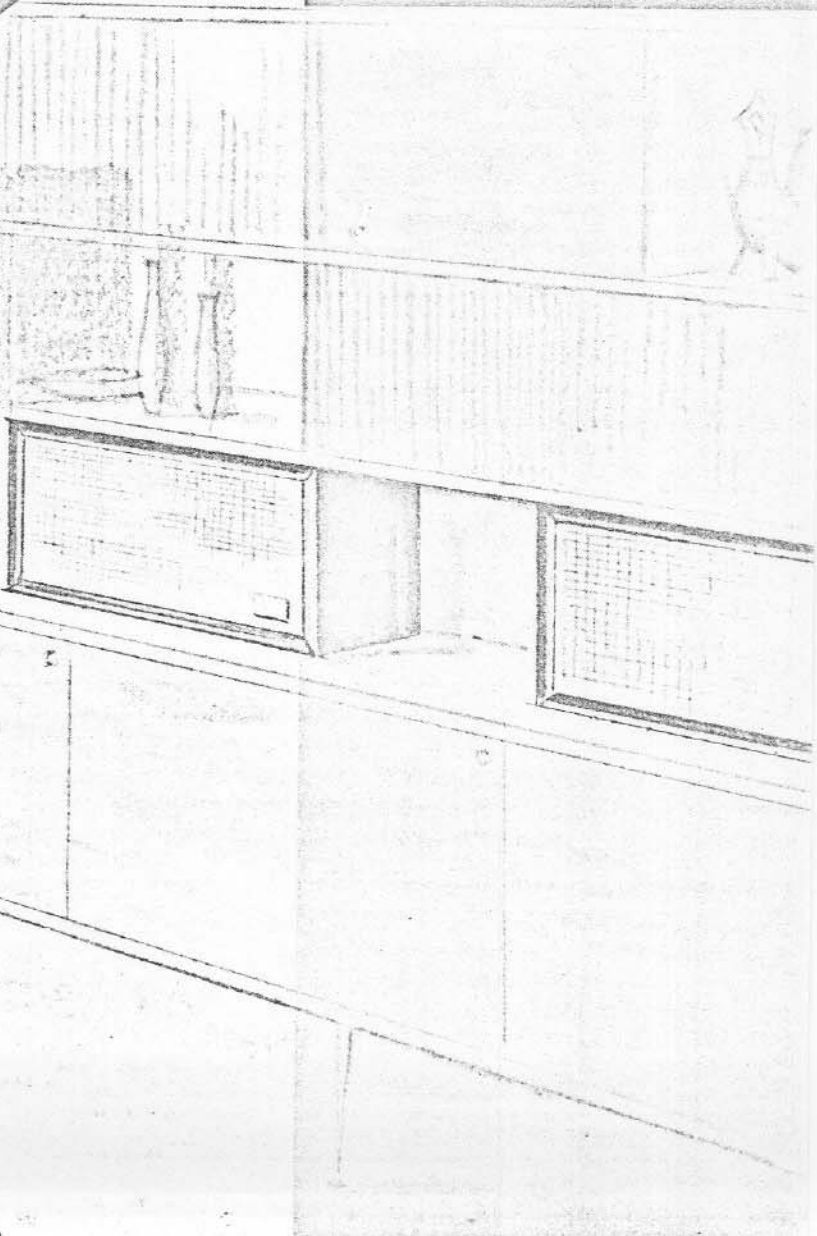
ESQUIRE

"200"

LOW RESONANCE ULTRA-COMPACT LOUDSPEAKER SYSTEM



- SPECIFICATIONS
- INSTRUCTIONS
- APPLICATIONS



Electro-Voice®

ESQUIRE 200

INTRODUCTION

The new Electro-Voice Esquire 200 is a 3-way low-resonance system which, despite its ultra-compact design, provides exceptionally wide-range response. It contains a special 12" woofer, the Electro-Voice 12BWS, utilizing a one pound, six ounce ceramic magnet; an 8" mid-range cone-type speaker and a compression-type VHF driver. These features make it an excellent choice for either monaural or stereo reproduction.

Constructed of fine hardwood veneers, the Esquire 200 is finished on four sides to allow use in either vertical or horizontal position. The nameplate may be rotated for vertical placement. The use of heavy, vibration-free 3/4" panels gives the Esquire 200 unusual rigidity.

SPECIFICATIONS

Nominal Impedance: 8 ohms

Power Handling Capacity:

Sine Wave: 40-2500 cps., 20W., Max.; 2500-2500-20,000 cps., 5 Watts, Maximum.

Program: Maximum undistorted output of 70 watt amplifier on complex program signal.

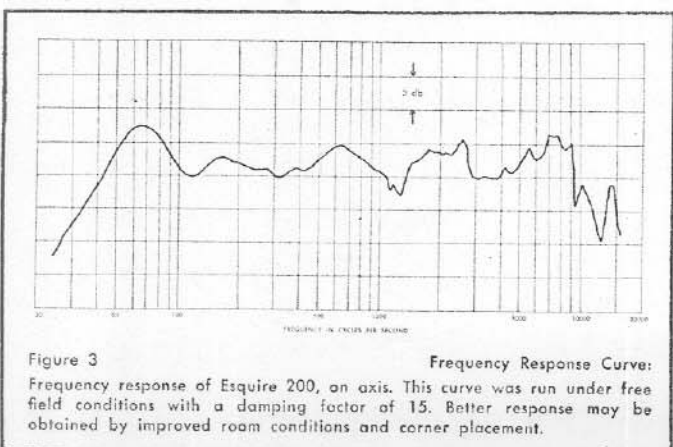
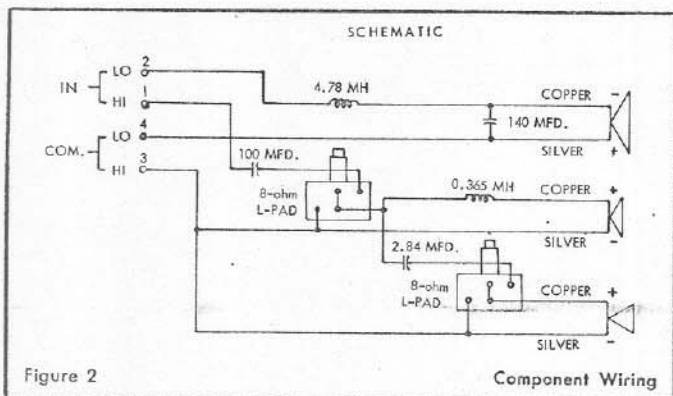
Frequency Response Range:

40-19,000 cps.

Components:

12BWS woofer, 8" mid-range speaker, compression high-frequency driver, crossover network, two level controls.

Size: 13 1/2" D., 14" H., 25" W.



Setting Up For Operation

Shipping Damage: Your Esquire 200 is packed in accordance with all shipping requirements of the Interstate Commerce Commission, plus extra protection. If shipping damage occurs, contact the carrier directly, requesting inspection and instructions. Use the date code of the speaker in your correspondence.

Date Code Number: The date code is noted on your warranty registration card. The number indicates type, style, and date of manufacture of the unit. Always use this number in your correspondence.

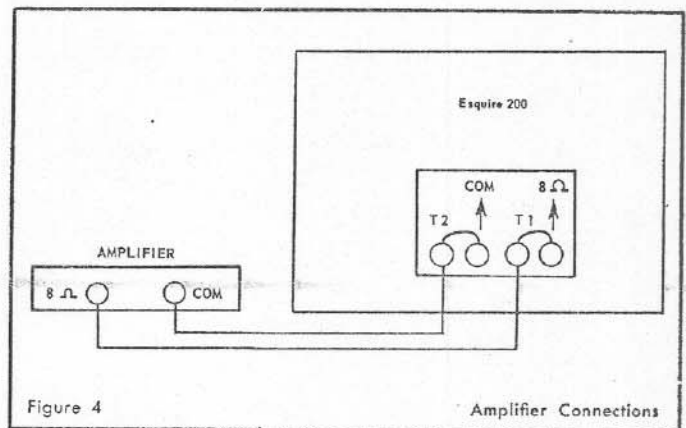
Warranty Card: To register your Esquire 200, fill out the Warranty Registration Card and send it to the factory within ten days after your purchase.

Placement

Nearly any speaker system will sound best if it is placed in or near the corner of the room in which it is to be used. This positioning provides the best coupling between the speakers and the air in the room, the corners and walls acting as a large "horn" for the sound. The small size of the Esquire 200 also makes it ideal for bookshelf placement. Best height is at the listener's ear level. Four small self-adhesive pads are provided to protect the bottom face of the cabinet.

Connections

Connection of your Esquire 200 to the amplifier should be made with No. 18 or larger wire (Common lamp cord is good). If you wish to run the lead between amplifier and speaker farther than 30' or to run it behind a moulding strip or under a carpet, use 300-ohm TV twin lead. Connect to the 8-ohm and common taps on the back of the amplifier. If the amplifier has a variable vamping factor control, set it at 1. Be certain that these connections are secure. Jumpers should be left in place unless unit is used for stereo reproduction with E-V STEREO 300 "add-on" unit. Specific instructions will be found with the STEREO 300.



Level Controls

Your Esquire 200 is equipped with two controls, a treble array adjustment and a brilliance control, both of which are on the rear panel. Set treble array fully clockwise unless the unit is to be matched in a stereo arrangement with a speaker of differing efficiency. (If used with Stereo 300's in 3-channel stereo, full instructions for setting will be found on the Stereo 300 instruction sheet).

Brilliance control setting should usually be at "normal," but this may be adjusted to suit the acoustics of the room in which it is used. A simple, convenient way to adjust the high-frequency level control is to tune in a live FM broadcast and listen closely to the announcer's voice, particularly the "s" and

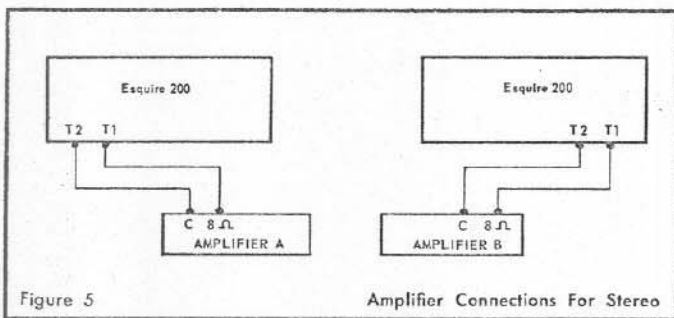
"t" sounds, at a volume level equal to that of your own speaking voice. Adjust the control until the "s" and "t" sounds are no more prominent in the announcer's speech than they are in yours; such an adjustment will generally be quite satisfactory. Too high a setting of the high-frequency control will be audible as a piercing, "metallic" sound.

The best guide, of course, to proper setting of the control on the speaker system, is a familiarity with the sound of live music. Most listeners will find it easy to balance the sound to conform to their personal tastes.

Stereo Operation

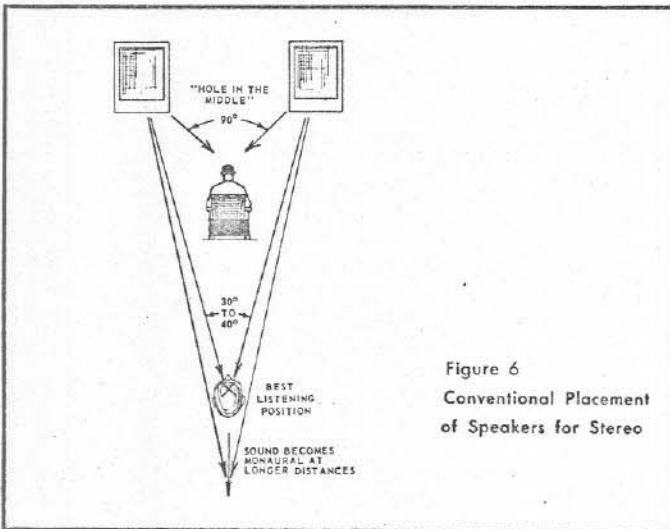
Your Esquire 200 is designed for professional quality sound reproduction. The same performance features which make this unit outstanding for monaural reproduction will also give superb performance in stereophonic array.

The wiring connections for a pair of Esquires in stereo are shown in Fig. 5. When connecting be sure to run the lead from T1 on the Esquire to the 8-ohm terminal on the amplifier and from T2 to the COMMON terminal. With this connection both units will then be phased correctly.



Placement For Stereo

When arranging a pair of Esquire 200's in stereo array, the units should be placed at positions which allow the listener to sit in the area of the apex of a 30° to 40° angle, as shown in Fig. 6. This will provide the best stereophonic effect. If this placement is not possible, you may, by experiment, use room reverberations to advantage in finding other desirable positions.



Widening The Stereo Area — 3-Channel Listening

The natural extension of 2-channel stereo reproduction is to recreate completely the original performance, suitably tailored to suit the individual taste and listening area.

In stereo recording, great pains are taken to capture full realism by using 3 microphones to insure complete coverage of the sound stage. The sound from the microphone in the center is then "mixed out" to both left and right channels of recorded sound. From this master recording emerges the commercially available 2-channel stereo tape or disc.

In these "two track" stereo tapes and discs the element of this third channel remains and can be reformed by means of the Electro-Voice XT-1 Stereo Mixer Transformer and a third speaker system. XT-1 recovers the center sound from the left and right channels, adds them together in the correct proportions, and passes them to the central speaker.

The addition of this third channel to your system gives complete flexibility of seating, in that one can now enjoy good stereo anywhere in a very large room, or more importantly, quite close to the loudspeakers in small rooms. At all times, in virtually any listening position there is a complete curtain of stereo sound.

Stereos

For those who have space or budget limitations, a Stereon 300 (see next page) can be used with the Esquire 200 for either two- or three-channel stereo. The Stereon 300, which matches exactly the treble array of the Esquire 200, can be used virtually without compromise in sound by taking advantage of a natural phenomenon: in 1934, an acoustic engineer, Harvey Fletcher, determined that sounds from about 300 cycles per second downwards in the audio spectrum (which have a wavelength greater than 3½ feet) are not intercepted to any perceptible degree by the head; accordingly, the ears find it impossible to detect the direction from which such sounds originate. E-V Stereons take advantage of this phenomenon by using the full bass reproduction capabilities of one full-range reproducing system for all bass and channelling the "stereo" sounds (above 200 cps.) correctly to each channel. The Stereons, then, permit easy and economical expansion to the stereo system.

The popular approach to E-V Panasonad (3-channel stereo sound) is obtained by using two Esquire 200's with one Stereon 300. This arrangement permits the use of two full-range units, to achieve the fullest bass response. Where space is an intense problem, good performance can also be achieved by using a pair of Stereon 300's with one Esquire 200.

Complete wiring diagrams for connecting the Esquire 200 with Stereons and XT-1 will be found in the instruction sheets accompanying the Stereon.

Speaker Repairs

Your Esquire 200 system is guaranteed indefinitely against defects in workmanship and materials. Should the Esquire 200 become damaged or develop faulty operation from unusual conditions of employment, Electro-Voice maintains a complete service department to put equipment in factory-new condition. If it becomes necessary to return the equipment for repair, please write for authorization and shipping instructions.

Technical Service

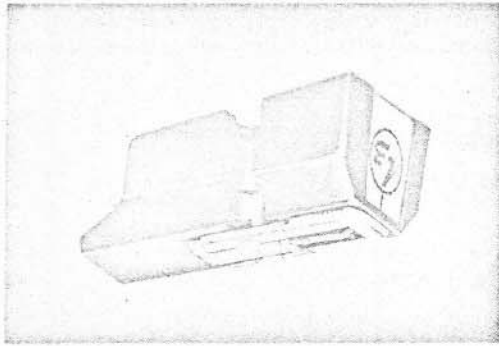
The firm from which you purchased your equipment knows thoroughly the application of Electro-Voice products and high-fidelity stereo techniques. His advice on the installation of Electro-Voice components and on the selection of associated high-fidelity equipment will be invaluable. Technical problems which cannot be answered locally may be referred to:

MANAGER, CONSUMER PRODUCTS DIVISION
Electro-Voice, Inc.
Buchanan, Michigan

When writing, please list the manufacturer and model number of all components used in your high-fidelity system.

HIGH FIDELITY ACCESSORIES

SUGGESTED FOR USE WITH THE ESQUIRE 200



For more than 35 years, Electro-Voice has been a leader in the development and manufacture of dynamic microphones and loudspeakers. Why, then, with this extensive experience in designing and producing electro-magnetic devices, is Electro-Voice introducing the new Magneramic 31 Series stereo cartridge using ceramic elements? Electro-Voice is genuinely convinced that a precision ceramic cartridge is the finest type that can be made today . . . the superiority of the E-V Ceramic, Magneramic 31, is demonstrated in these three areas:

(1) *Greater Flexibility* — The 31 Series cartridge will operate perfectly at any stylus pressure from 2 to 20 grams. The same stylus assembly can be used for operation of both turntable and record changers; performance need not be compromised by using a special, stiff stylus assembly for record changers. Record wear is the only criterion in setting stylus pressure — cartridge operation is not affected. Thus, when converting from a changer to a turntable, or vice versa, replacement of the stylus assembly is not necessary when using the Magneramic 31.

(2) *Higher Output* — Along with the trend toward less efficient speaker systems, more amplifier power has become a necessity. While most stereo amplifiers are now designed with input sensitivities to match the typical 5 millivolt output of magnetic stereo cartridges, nearly all monaural amplifiers were designed for at least 8 millivolt input. These cannot be driven to full output with a magnetic stereo cartridge.

The Magneramic 31 develops a full 8 millivolt output and couples directly into any magnetic preamp unit. This higher output should be given special consideration by those planning to convert to stereo with existent monaural amplifiers.

(3) *Freedom from Hum.* — The increased amplifier gain required to drive low efficiency speakers coupled with decreased cartridge output has significantly increased system hum problems. Also, conventional methods of hum elimination used in monaural magnetic cartridges become difficult or impossible to apply to stereo magnetics. The Magneramic 31 completely eliminates these problems. It is non-inductive and has adequate output.

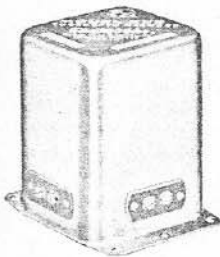
The Electro-Voice Magneramic 31MD7 cartridge directly replaces any monophonic or stereophonic magnetic cartridge now on the market. It feeds into the preamp input jack specified for magnetic cartridges and does not require adapter or circuit modifications.

SPECIFICATIONS — MAGNERAMIC 31MD7

<i>Response Range:</i>	20 to 15000 cps. + 2 db (Westrex 1A)	<i>Output:</i>	8 millivolts
<i>Compliance, Vertical:</i>	3.5 x 10 ⁶ cm/dyne	<i>Recommended Load:</i>	22,000 to 47,000 ohms (Magnetic phono inputs)
<i>Compliance, Lateral:</i>	3.5 x 10 ⁶ cm/dyne	<i>Elements:</i>	2, Lead Zirconium Titanate (Ceramic)
<i>Isolation:</i>	28 db @ 1000 cycles	<i>Weight:</i>	8 grams
<i>Tracking Force:</i>	2 to 4 grams in transcription arms 4 to 6 grams in changer arms	<i>Terminals:</i>	4, standard .050" connectors
<i>Styli:</i>	.7 mil diamond	<i>Mounting Centers:</i>	Fits both 1/2" and 7/16"

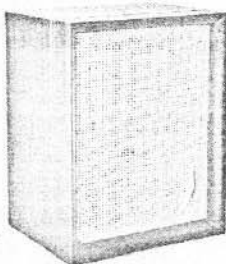
Audiophile Net \$24.00

Model XT-1 Stereo Mixer Transformer



For use with the Stereon 300 and Esquire 200. Only one required for two- or three-channel stereo system.

Audiophile Net \$13.50



Stereon 300

A two-way system consisting of a Radax extended-range speaker, together with a diffraction horn very high frequency driver. Operates with the Esquire 200 in two- or three-channel stereophonic systems.

Audiophile Net \$69.50

(Prices above are subject to change without notice.)

ElectroVoice®

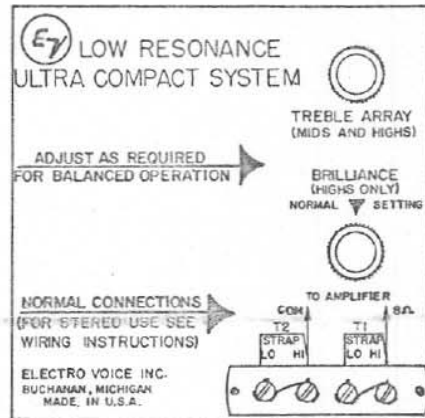
ELECTRO-VOICE, INC. / BUCHANAN, MICHIGAN

Addendum to
Esquire 200 Instructions
Low Resonance Ultra Compact
Speaker System

Your new Esquire 200 incorporates certain modifications to facilitate use of the level controls fitted to the unit and to permit easy expansion to stereophonic reproduction.

Adjustment of Level Controls

Two controls on the back panel permit adjustment of the systems to suit virtually any acoustical environment. Operation of the Brilliance control is fully covered in the main instructions (page 7). The second control added to this new unit permits the entire treble array (both mid-range and brilliance) to be adjusted to suit the listening taste. This additional facility will be useful when the Esquire is used as the central system in three channel stereo. In this arrangement it will be necessary to reduce the volume of the Treble array very slightly to ensure an even curtain of stereo sound. No fixed settings can be given for this adjustment which is dependent on both room acoustics and source material. However, once any slight adjustment is made it remains unless the system is moved or source drastically changed.



REAR CONTROL PANEL

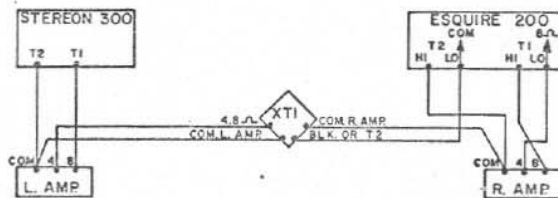
Connections

Connection of your ESQUIRE 200 is essentially as shown in the accompanying manual with the following explanation of the new terminal arrangement.

Both pairs of terminals marked LO HI are strapped upon leaving ELECTRO-VOICE and should remain so when the unit is used either monaurally or as a full range unit in a stereo arrangement. The straps will require removal only when the ESQUIRE is being used with specialized 'add-on' speakers for stereo (namely the EV STEREO 300).

Normally expansion to stereo will be made by duplicating the speaker with another ESQUIRE 200. If space is a problem stereo can be achieved by the use of the economical STEREO 300 speaker together with XTI Stereo Mixer Transformer.

The manner in which the ESQUIRE terminals are connected in such an arrangement is shown here.



Expansion to Stereo Using EV Compact STEREO 300

Your EV Franchised High Fidelity dealer will be glad to demonstrate and give further information about the STEREO 300 and its accompanying XTI Stereo Mixer Transformer. In case of difficulty contact

The Manager
High Fidelity Division
ELECTRO-VOICE, INC.
Buchanan, Michigan, U.S.A.