



TRADITION

The first Patrician, engineered by Electro-Voice nearly three decades ago, aimed at—and achieved—nothing less than the finest sound reproduction obtainable. The new Patrician 800 continues in this perfectionist tradition, preserving unchallenged the reputation of being the world's finest device for converting electrical energy into sound. An exquisitely-balanced four-way system, it successfully extends sound reproduction, without coloration or distortion, to the upper and lower limits of audibility—and beyond.

The Patrician's capacity for breath-taking realism in bass reproduction is made possible by its 30-inch foam-cone woofer, the largest successful driver ever produced. Smaller and less expensive systems may reach very low frequencies, but only with a substantial compromise in efficiency. Even with the maximum electrical input that any smaller woofer can handle, the net acoustical power available at low frequencies falls far short of that required for the most effective reproduction of music.

Inherent in this fact is the justification for the Patrician 800: it is this combination of extended bass range and substantial acoustic power capabilities at the lowest frequencies, with good efficiency, that is the main reason for—and vindication of—the size and cost of the Patrician 800. This unparalleled might in the deepest bass region is a thing of fascination in itself. The woofer system is highly efficient in the 35- to 40-Hertz region, where most speakers have already become ineffective, and then continues to respond down to 20 Hertz and lower with awesome impressiveness.

But this is only one aspect of the Patrician's truly fabulous overall quality. Superbly clean and controlled mid-bass is achieved by the use of a very low first crossover frequency of 100 Hertz, and with full 12 dB per octave rates of attenuation on each side of this crossover. The deluxe heavy duty SP12M mid-bass driver is housed in a separate liberally-padded enclosure, which also contributes to uniform and uncolored re-

SPECIFICATIONS

Frequency Response:	15 to 23,000 Hz
Nominal Impedance:	16 ohms
Crossover Frequencies:	100, 800, 5000 Hz
Dimensions:	129.5 cm (51") h x 83.8 cm (33") w x 67.1 cm (26-7/16") d
Finish:	Satin Walnut
Furniture Style:	Traditional
Shipping Weight:	142 kg (315 lbs)

sponse in this range. Treble frequencies above 800 Hertz are handled by a 1824M driver. Used with the standard 8HD diffraction horn, this driver affords remarkably smooth and distortionless treble response. The clarity of the treble range blends imperceptibly into the shimmering precision supplied by the brilliant and reliable T350, which extends the response to an upper limit of 23,000 Hertz.

The Patrician 800 traditional furniture style cabinet is solidly constructed from selected hardwoods and walnut veneers. To take fullest advantage of the inherently superior acoustical loading at low frequencies brought about by the laws of sound reflection in rectangular rooms, and by radiation into a solid angle, this enclosure is to be used in the corner, since the fundamental concept of the Patrician 800 is that it be the finest possible loudspeaker system. However, one of the dividends of the extremely large woofer and the type of enclosure necessarily associated with it is that it is much less critical of placement than many corner systems. Its performance remains amazingly good when located along the wall or elsewhere in the room. Moreover, when placed in a corner, its orientation is not critical but may be adapted to meet the requirements of individual furniture arrangements and stereo systems. The internal design of the bass enclosure consists in essence of an airtight, ten cubic foot chamber behind the 30-inch woofer and a 10-1/2 straight axis horn, with a 275 square-inch throat area and 370 square-inch mouth area, leading from the front of the woofer into the corner of the room. The enclosure occupies only 5.5 square feet of floor space and its overall shape is such as to make it surprisingly easy to accommodate.

The Patrician 800 is one of the very few deluxe speaker systems which, asking more initially of those who would own it, is truly able to give more satisfaction, proportionally, in return. The world's greatest loudspeaker is a fitting companion to the world's greatest music. Ownership of the Patrician 800 is an appropriate expression of devotion to the music you love best.

PLACEMENT

Many loudspeaker systems, whether designed for corner or along-the-wall use, will usually deliver the smoothest, most extended bass response—and the best overall sound—when placed in a corner of the listening room. In this position, it uses to best effect the standing waves and principles of sound reflection in addition to the horn loading provided by the flare of the walls themselves, meeting at the corner.

The Patrician 800 is amazingly effective in any location—even in the center of the room. Most important, its orientation in the corner is not rigidly determined, and its angle of placement may be adjusted for best stereo effect. Ideally, of course, it should be placed in a corner with the angular back surfaces approximately two inches from the walls.

AMPLIFIERS

While the Patrician 800 can accommodate the full music power output of amplifiers designed for home use, most any modern, good quality high-fidelity unit may be used with very satisfactory results.

The design and construction of the speaker and enclosure components which comprise the Patrician 800 system, combine to provide an unusually efficient operating device. Because of this high efficiency, far less amplifier power is needed to achieve maximum performance than with many smaller or equivalently priced systems.

The Patrician 800 owner who is selecting an amplifier should devote careful attention to choosing one with quality components, employing state-of-the-art technology.

CONNECTIONS

Connection of your Patrician 800 to the amplifier should be made with No. 18 or larger wire (common zip or lamp cord is good). For proper phasing, be sure to run the lead from T1 on the Patrician 800 to the output terminal on the amplifier, and from T2 to the Common terminal. All wire jumpers should be left in place, as indicated on the upper left-hand diagram on the escutcheon. In this diagram, the rectangular block labeled Patrician 800 represents the escutcheon of the Patrician 800; the 10 dots with lines between them represent the 10 binding posts with their wire jumpers.

When using Patrician 800's in stereo pairs it is important the speakers be in phase. To check phasing in this type of system, feed monophonic source materials into both channels simultaneously and adjust the amplifier's balance control so that the Patrician 800's are playing at equal loudness. Then stand at the point of convergence of the axis of the two speakers (midway between them and at a reasonable distance from them). If the stereo channels are properly phased and balanced, the sound will seem to come from an imaginary speaker midway

between them. If this effect cannot be obtained at any setting of the stereo balance control, the connection to one of the two Patrician 800's should be reversed. This is accomplished by reversing the connections at either the amplifier or speaker system or by use of the phase switch on your amplifier if one is provided. When the system has thus been adjusted so that monophonic sound seems to come from the imaginary center source, well recorded stereo discs and tapes will be reproduced with startlingly precise stereo localization, and the overall sound quality will be magnificent at almost all listening locations in the room.

LEVEL CONTROLS

The loudness of the mid-bass, treble, and very-high-frequency sections of the Patrician 800 may be individually adjusted by means of the level controls provided. A simple way to adjust the very-high-frequency (Brilliance) control is to tune in a live FM broadcast and, with volume level equal to that of your own voice, adjust the control until the "S" and "T" sounds are no more prominent in the announcer's voice than they are in your own. This adjustment will usually prove satisfactory. Setting the high-frequency control too high will produce a "metallic" sound. Your best guide to setting the control properly is, of course, a familiarity with the sound of live music. Acoustically "hard" or "live" rooms will normally require a somewhat retarded setting of the Brilliance control to compensate for the greater amount of high-frequency reflections. In "soft" or "dead" rooms, with carpeting, draperies, and soft furniture, a more advanced setting of the high-frequency control will normally be required.

The mid-bass and treble control adjustments are somewhat less critical. Should a more perfect match to the room be necessary, simply slowly rotate the controls individually to suit your hearing.

CUSTOMER SERVICE

The Patrician 800 is packed to provide protection well in excess of shipping requirements. If shipping damage does occur, contact the dealer from whom the unit was purchased.

FIVE YEAR WARRANTY — Limited

Electro-Voice high fidelity speaker systems, are guaranteed for five years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, speaker will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish or appearance items or malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

Specifications subject to change without notice.

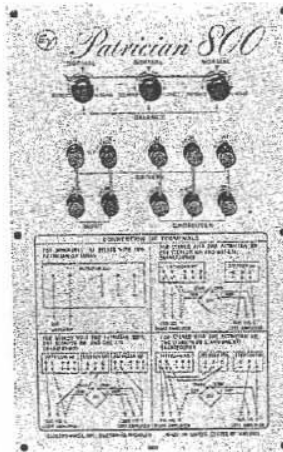


FIGURE 1 — Crossover Escutcheon

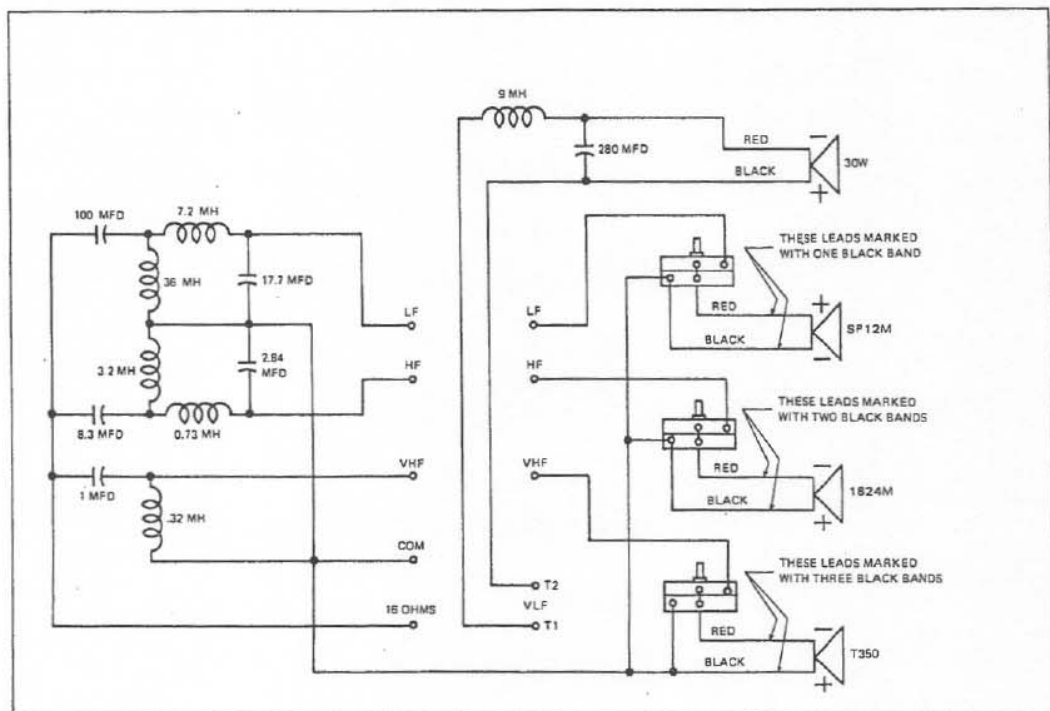


FIGURE 2 — Schematic Wiring Diagram