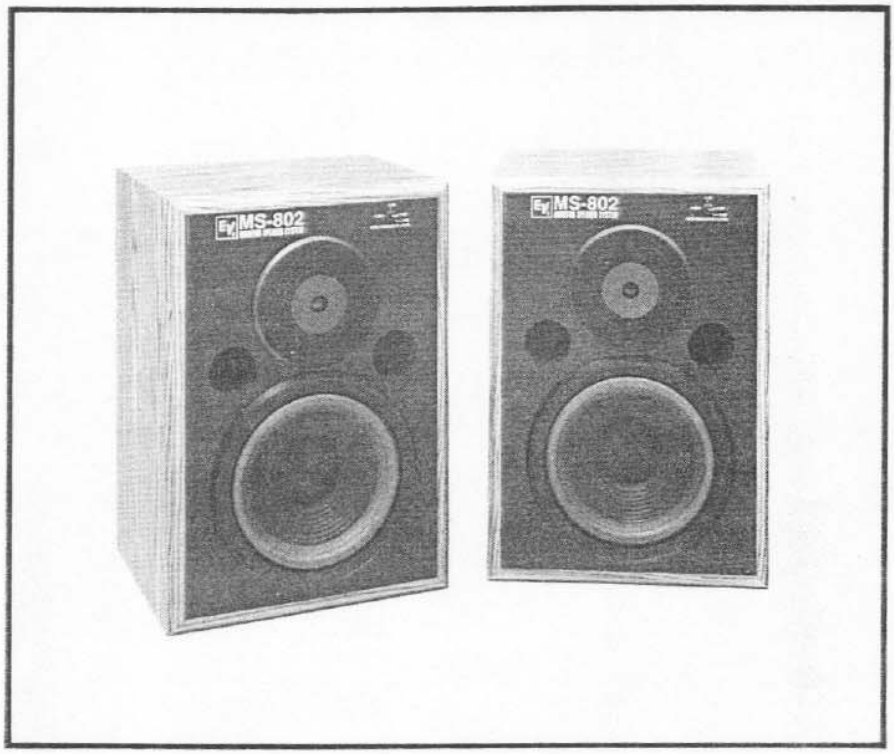

Electro-Voice®
a MARK IV company

MS-802
2-Way Monitor Speaker System

SPECIFICATIONS (PER ENCLOSURE)
Frequency Response, 1 Meter on Axis, Anechoic Environment, Swept One-Third-Octave Pink Noise ±3 dB:
45-18,000 Hz
Half-Space Reference Efficiency:
0.6%
Dispersion Angle Included by 6-dB-Down Points, 10 Foot Microphone Distance, Anechoic Environment, One-Third-Octave Bands of Pink Noise,
Horizontal:
250-6,300 Hz (158° ±32°)
8,000-20,000 Hz (55° ±18°)
Vertical:
250-6,300 Hz (140° ±40°)
8,000-20,000 Hz (52° ±13°)
Maximum Midband Acoustic Output Power:
0.48 watt
Crossover Frequency:
2,000 Hz
Sound Pressure Level at 1 Meter, 1 Watt into Nominal Impedance, Anechoic Environment, 300-2,000 Hz Average:
91 dB
EIA Sensitivity Rating (on axis measurement):
41.8 dB
Long-Term Average Power Handling Capacity per EIA Standard RS-426A (see Power Handling Capacity section):
80 watts
Nominal Impedance:
6 ohms
Minimum Impedance:
4.5 ohms
Optional Accessory:
SRB-7 rack-mount/wall-mount brackets
Dimensions:
43.8 cm (17.25 in.) high
30.5 cm (12.0 in.) wide
28.2 cm (11.125 in.) deep
Net Weight:
12.2 kg (27 lb)

DESCRIPTION
The MS-802 is a compact two-way monitor designed specifically as a reference standard. The low-frequency section is comprised of a specially designed 8-inch woofer for accurate bass response to 45 Hz. The high-frequency section uses a high power Super-Dome™ tweeter that transparently reproduces high-frequency program material to 18,000 Hz.

The MS-802 crossover is a dual section 12-dB-per-octave (2nd-order) type. The crossover frequency is 2 kHz. The front-mounted high-frequency control (shelving type) allows continuous adjustment of high-frequency information from −4 dB to +2 dB from a nominally flat response.

The MS-802 enclosure is covered with an attractive ranch-oak vinyl. The physical size of the MS-802 allows it to be rack-mounted if desired. The optional SRB-7 rack-mount/wall-mount kit allows the MS-802 to fit unobtrusively into virtually any environment.

GENERAL INFORMATION
The Electro-Voice MS-802 monitor speaker system is designed with the multitrack recording engineer, musician and enthusiast in mind. Its reasonable size, high efficiency, wide bandwidth, wide dispersion and sonic precision make it especially useful in a wide variety of recording and monitoring applications, especially those needing space-efficient equipment. Examples of this are compact control and listening rooms in multitrack "jingle" and "demo" studios, MIDI synthesizer recording studios and advanced "home studios" used by modern composers and artists. The MS-802 used as a semi-near-field monitor gives the recordist all the sonic information he or she needs to be sure that the finished tape or pressing is going to "stand up" when it is released to the rest of the world. Commercial CD's played over these speakers as an ear calibration will provide an instant, revealing reference to any ongoing recording project.

A high-frequency control is provided so that the MS-802's spectral output characteristics may be adjusted to the reflecting characteristics of the room. For example, MS-802 mounted among reflective surfaces may require less top end than those mounted in a highly-absorbent control room.

POWER HANDLING CAPACITY
The MS-802 is designed to withstand the power test described in EIA Standard RS-426A. The EIA test spectrum is applied for eight hours. To obtain the

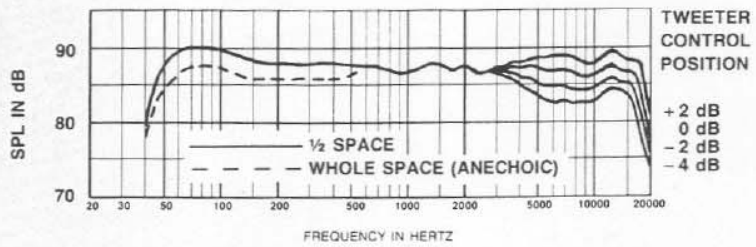

FIGURE 1 — Axial Frequency Response 2 Volts/3 Feet

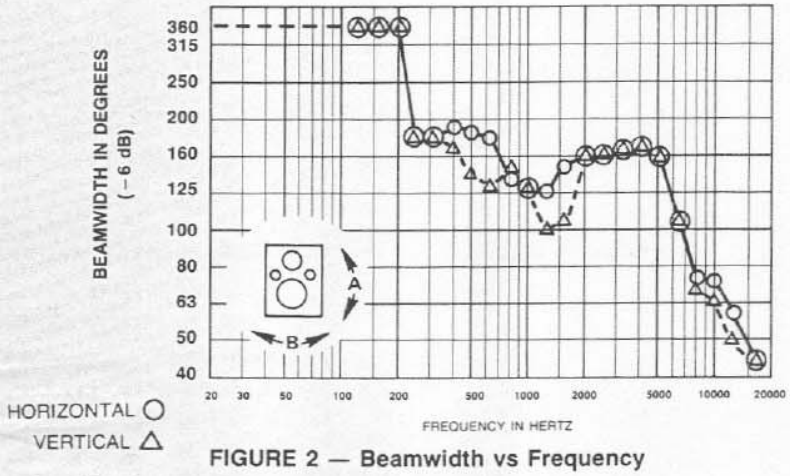

FIGURE 2 — Beamwidth vs Frequency

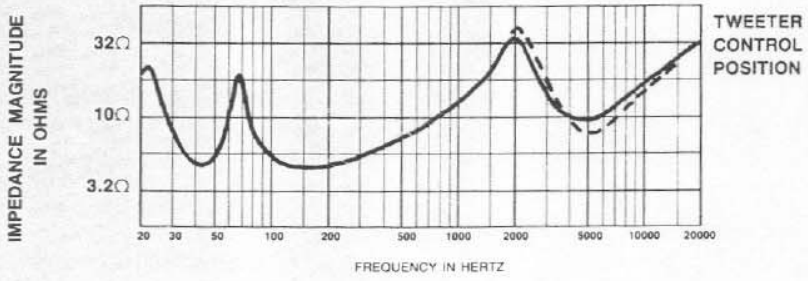

FIGURE 3 — Impedance vs Frequency

spectrum, the output of a white-noise generator is fed to a shaping filter with 6-dB-per-octave slopes below 40 Hz and above 318 Hz. When measured with the usual one-third-octave-analyzer, this shaping filter produces a spectrum whose 3-dB-down points are at 100 Hz and 1200 Hz with a 3-dB-per-octave slope above 1200 Hz. This shaped signal is sent to the power amplifier with the continuous power set at 80 watts into the 4.6-ohm EIA equivalent impedance (19.2 volts true RMS). Amplifier clipping sets instantaneous peaks at 6 dB above the continuous power or 320 watts peak (38.4 volts peak). This procedure provides a rigorous test of both thermal and mechanical failure modes.

WARRANTY (Limited)

Electro-Voice Speakers and Speaker Systems (excluding active electronics) are guaranteed for five years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit 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 extend to finish, appearance items, burned coils, or malfunction due to abuse or operation under other than specified conditions, including cone and/or coil damage resulting from improperly designed enclosures, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee. A list of authorized warranty service agencies is available from Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107 (AC/616-695-6831); Electro-Voice, Inc., 3810 148th Avenue N.E., Redmond, WA 98052 (AC/206-881-9555); and/or Electro-Voice West, 8234 Doe Avenue, Visalia, CA 93291 (AC/209-651-7777). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107.

Specifications subject to change without notice.

ELECTRO-VOICE, INC., 600 Cecil Street, Buchanan, Michigan 49107
MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ REDMOND, WA ■ GANANOQUE, ONT.

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Part Number 530716—648