



Sx80

8-INCH, 175-WATT TWO-WAY SPEAKER SYSTEM

The small speaker with giant performance

The Electro-Voice Sx80 brings the incredible flexibility and unbelievable performance of legendary System 2000 speakers to an even smaller size. The Sx80 is a compact 8-inch two-way system that presents you with an unbeatable combination of sound quality, acoustic output, flexibility and small size.

Since their introduction, Electro-Voice Sx-series speakers have garnered a strong worldwide reputation for incredible performance and enormous sound. Primarily conceived for use in portable applications, the tremendous sound quality and incredible flexibility of Sx speakers have made them a leading choice of audio consultants and engineers in demanding applications. System 2000™ speakers have replaced larger, more expensive systems in stadiums, civic arenas, churches and other venues.

Applications for the Sx80 abound from sound systems for singles or karaoke to stage monitoring to distributed systems (either indoors or outdoors) for churches, restaurants or theatres. It sounds superb for voice or music reproduction.

A Real Compression Driver and Horn

The Sx80 has an EV DH2005 pure titanium diaphragm, 1.25 inch-diameter compression driver coupled with a 90° x 65° Constant-directivity horn. Unlike most small speakers that use dome tweeters (some with dispersion control devices), the compression driver and 90° x 65° CD horn ensures that every ear in its coverage pattern will be treated to smooth,

System 2000™
MODULAR PRO AUDIO



Thanks to its molded-in attachment points and available brackets, the Sx80 can be hung from a wall or ceiling, stand mounted or used with OmniMount® Series 75 hardware.



The Sx80 can be used as a wide-range, high-performance, easily portable music system with the addition of the EV Sb121 12-inch bass module or Sb121a powered bass module.

extended response. The horn/driver combination also gives the Sx80 the ability to cover larger areas than a small 16-lb (7.3-kg) speaker should be capable of. Its projection and definition are almost beyond belief. The coverage pattern also permits the Sx80 to be oriented vertically or horizontally with excellent performance either way.

Ring-Mode Decoupling (RMD™)

The Sx80 is equipped with EV's Ring-Mode Decoupling (RMD™) originally developed for X-Array™ concert speakers. RMD™ attacks time-domain resonances at their sources in the Sx80's components and enclosure. These various ring modes rob speakers of fidelity and unpleasantly degrade the sound.

Thanks to RMD™, the Sx80 sounds supremely clean and accurate with pristine reproduction of voices and instruments. It also maintains even sound quality over a wide dynamic range thanks to RMD™.

High Power Handling

The Sx80 can handle 175-watts continuous, 700-watts short term for 8 hours according to EIA RS-426A 1980 test procedures. Other small speakers with high power ratings typically use a light bulb to absorb power for protection when their maximum output level is approached. The light bulb acts like a compressor and causes the sound quality to change relative to input power. The Sx80 uses excellent component quality to

achieve its high power capability and turns amplifier power into acoustic energy, not light.

To protect itself from the negative effects of amplifier clipping or overload, the Sx80 is equipped with EV's proven PRO™ circuit. The PRO™ circuit monitors the input level and only activates when it is needed, preserving the quality and dynamic integrity of the sound. The high 92 dB (1W/1m) sensitivity and good power handling insures that the Sx80 has serious output capability.

Incredible Flexibility

The Sx80 has built-in flexibility to work in a variety of professional audio applications. Its nearly indestructible high-impact polystyrene enclosure is rugged enough to survive the rigors of transportation and the tortures of installation outdoors in all kinds of weather. Molded into the enclosure are inserts that allow the Sx80 to be used with a variety of optional brackets and mounts, including a wall/ceiling bracket, a 1 3/8-inch pole mount and OmniMount® Series 75. Sx80s are available in black or white (Sx80W) and are easily paintable to meet decor-conscious applications.

For wider bandwidth, higher impact systems, the Sx80 can be combined with the EV Sb121 or the Sb121a (amplified) bass modules for a high output sound system that is light, compact and unobtrusive. Inch for inch, pound for pound, the Sx80 can't be beat.

<p>Specifications:</p> <p>Frequency Response (-3 dB/-10 dB):</p> <p>Power Handling (Long/Short Term):</p> <p>Sensitivity:</p> <p>Dispersion:</p> <p>Low-Frequency Driver:</p> <p>High-Frequency Driver:</p> <p>Box Tuning Frequency:</p> <p>Crossover Frequency:</p> <p>Impedance (nominal/minimum):</p> <p>Dimensions, H/W/D:</p> <p>Net Weight/Shipping Weight:</p>	<p>Sx80</p> <p>65–20,000 Hz/51–20,000 Hz</p> <p>175 watts/700 watts</p> <p>92 dB</p> <p>90° x 65°</p> <p>8-inch EV woofer</p> <p>DH2005</p> <p>70 Hz</p> <p>1,500 Hz</p> <p>8 ohms/7.2 ohms</p> <p>400 mm/292 mm/222 mm (15.75 in.)/(11.49 in.)/(8.75 in.)</p> <p>8.2 kg (18 lb)/10.0 kg (22 lb)</p>	<p>Input Connectors,</p> <p>Sx80, Sx80W:</p> <p>Sx80TB, Sx80TW:</p> <p>Sx80PI, Sx80PIX:</p> <p>Available Accessories:</p> <p>Variations Available:</p>	<p>Push pins compatible with banana plug</p> <p>Terminal strip</p> <p>Terminal strip</p> <p>Sx80MBB (U-bracket in black), Sx80MBW (U-bracket in white) Sx80SMK (stand-mount adapter)</p> <p>Sx80 (8 ohm in black), Sx80W (8 ohm in white) Sx80TB* (transformer in black) Sx80TW* (transformer in white) Sx80PI,* Sx80PIX (weather-resistant package, 8-ohm or transformer input, black)</p>
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* These units will be available in early March 1999.



Electro-Voice®

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1980)	175 watts continuous, 700 watts peak
Sensitivity	92 dB (1 watt/ 1 meter)
Coverage (H x V):	90° x 65°
Input Connectors,	
Sx80, Sx80W	push pins compatible with banana plug
Sx80TB, Sx80TW	terminal strip
Sx80PI, Sx80PIX	terminal strip
Components	
Compression driver	Electro-Voice DH2005
Woofers	Specially-designed 8-inch
Dimensions, (H x W x D)	
Inches	15.75 in x 11.5 in x 8.75 in
Millimeters	400 mm x 292 mm x 222 mm
Net Weight	16 lb / 7.3 kg
Shipping Weight	18 lb / 8.18 kg
Available accessories	Sx80MBB, Sx80MBW U-brackets Sx80SMK stand mount adapter
Variations	
Sx80, Sx80W	8-ohm (black or white)
Sx80TB, Sx80TW	transformer (black or white)
Sx80PI, Sx80PIX	weather-resistant package, 8-ohm or transformer input (black only)