



S x 600

HIGH-OUTPUT INDOOR/OUTDOOR SPEAKER SYSTEM



DUAL ELEMENT VERTICAL LINE ARRAY

GREAT SOUND AND INTELLIGIBILITY

600 WATT POWER HANDLING

PRECISE, VERSATILE MOUNTING

ALL-WEATHER ENCLOSURE

Sx

6000

H I G H - O U T P U T I N D O O R /

GREAT SOUND FOR LARGE VENUES

The Problem:

Historically, large venues such as indoor arenas and outdoor stadiums operating under limited budgets challenge sound system designers with serious tradeoffs. Anything approaching "good sound" or higher fidelity is usually out of the question. Typical systems are either loud but lacking vocal intelligibility, or intelligible but of very limited bandwidth and, of course, neither loud nor intelligible. Simple voice reproduction is often overly resonant, difficult to understand, and unable to achieve the necessary sound pressure level.

The Sx600 Solution:

The Electro-Voice® Sx600 loudspeaker delivers exactly what large venues need: substantially improved fidelity, especially in the vocal range, at high SPLs. To achieve this, Electro-Voice engineers created a dual element, critically spaced, low frequency line array to produce the SPL levels of a horn-loaded low/mid section. Then, they added the clear vocal reproduction of a critically dampened direct radiator system.

The Sx600 loudspeaker employs several performance-proven EV® innovations, such as a neodymium-based mid-driver from EV X-Array™ concert systems, and an EV DL-Series woofer that augments response below 300 Hz, improving directivity. On the high-frequency end, an Electro-Voice DH2T compression driver, coupled to our unique Varipath™ constant directivity HF horn, produces both long throw and wide front-to-back audience coverage. And our Ring Mode Decoupling® (RMD®) technology is used throughout the Sx600 to ensure level-independent tonal response and a high level of intelligibility.





O U T D O O R S P E A K E R S Y S T E M

PRECISE, SECURE AND EASY MOUNTING

DESIGNED FOR INSTALLATIONS ANYWHERE

The Problem:

Weather-resistant



Loudspeaker performance, especially in large venues, depends on accurate loudspeaker placement and aiming. Safety concerns and weather factors in outdoor installations dictate that mounting systems be secure and reliable.



The Sx600 features a molded polymer enclosure with multilayer stainless steel grille and combination stainless steel/aluminum mounting hardware for extreme weather performance. The unique grille design protects the transducers against rain, sprayed water, and dust according to IEC 529 IP 44, and meets Mil Spec 810 for humidity, salt spray, UV radiation, and extreme temperatures.

The Sx600 Solution:

System Options



A totally new "center point" mounting system known as SuperSAM™ was designed for the Sx600. The mounting system attaches near both the horizontal and vertical centers of gravity on the speaker. SuperSAM tilts over a 60-degree range of vertical motion (with alignment holes in 5-degree increments) and pans across 180-degrees of horizontal motion for easy and precise aiming. SuperSAM was designed for a safety factor greater than construction industry standard 5:1 and, when properly installed, will withstand significant wind and ice loading.



The Sx600 system is available in both a conventional low-impedance system (model Sx600PI), or in a constant voltage distributed system, model Sx600PIX. The PIX model includes an internal 600-watt line transformer for operation on 70-, 100-, 140-, or 200-volt distributed line systems. The constant voltage option provides great flexibility when designing long-line systems for large venues such as stadiums, fairgrounds, or race tracks.

Sx600

Sx600 Technical Specifications



Frequency Range	(-3 dB): 100 Hz–18 kHz (-10 dB): 80 Hz–19 kHz
Max. Calculated SPL:	133 dB continuous 139 dB peak
Horizontal Coverage:	65° nominal
Vertical Coverage:	65° nominal
LF Power Handling:	600 watts continuous 2400 watts peak
HF Power Handling:	60 watts continuous 240 watts peak
Sensitivity (SPL 1 W/1 m):	105 dB
Crossover Frequency:	1.8 kHz
LF/MB Overlap:	200–600 Hz
Recommended Filtering:	90 Hz high pass filter, @ Q=1.6
Recommended Amplifier:	EV CPS Series
Connectors:	SJOW cable with gland nut
"X" Version Wattage Taps:	70 V: 75, 150, 300, 600 W 100 V: 150, 300, 600 W 140 V: 300, 600 W 200 V: 600 W
SuperSAM™ Mounting:	60° vertical (5° increments) 180° horizontal Can be bolted or strapped
Enclosure Material:	High-density polymer
Grille:	Powder-coated stainless steel
Weather Resistance:	IEC 529 IP 44 Mil Spec 810 humidity, salt spray, temp, UV
Dimensions (H x W x D):	45.8" x 16.9" x 12.3" (1163 mm x 429 mm x 312 mm)
Net Weight (with bracket):	Sx600PI: 80.0 lbs (36.3 kg) Sx600PIX: 98.0 lbs (44.5 kg)
Shipping Weight:	Sx600PI: 92.0 lbs (41.8 kg) Sx600PIX: 110.0 lbs (50.0 kg)



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