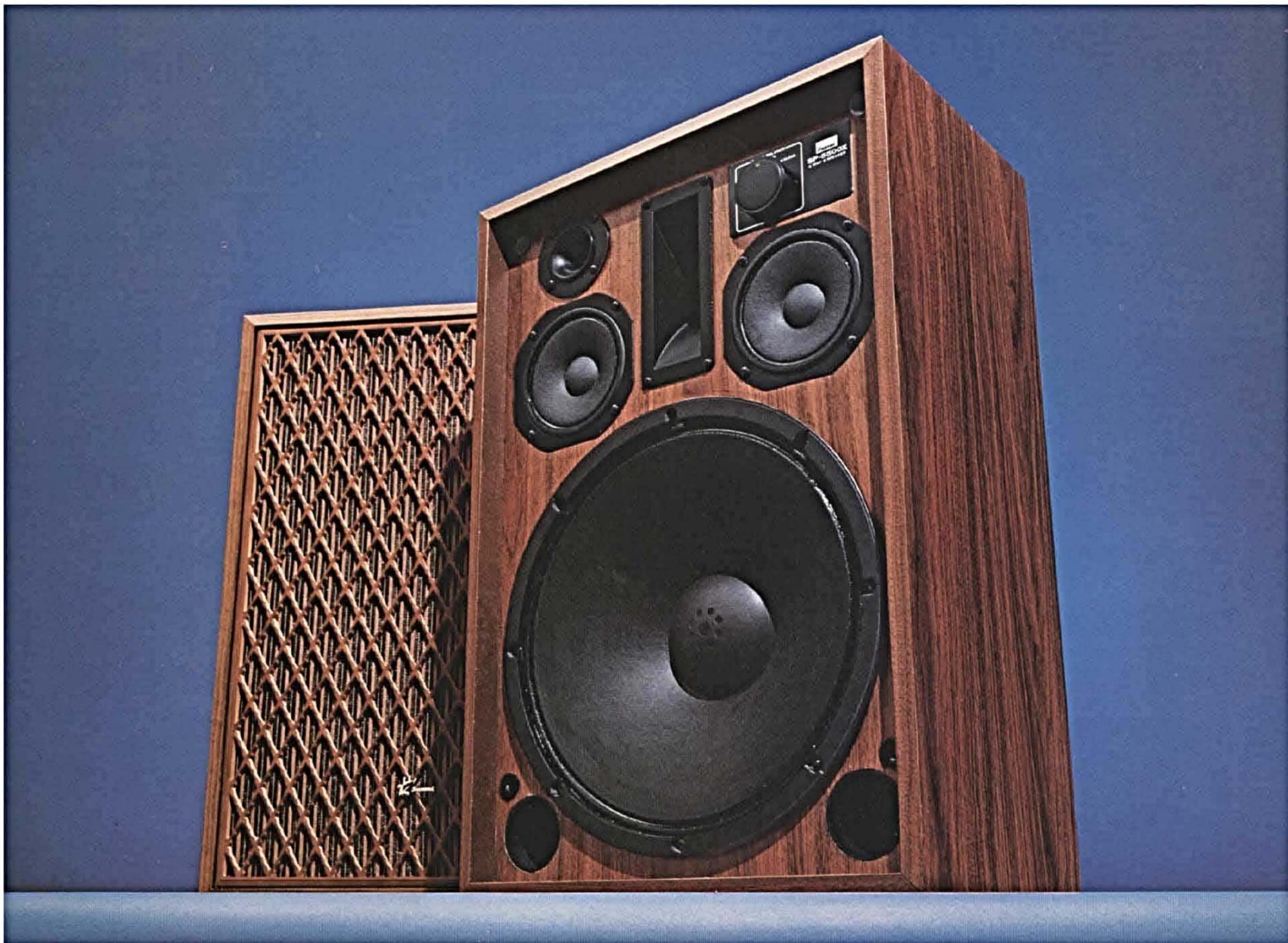


SANSUI SP5500X

THE 5-SPEAKER 4-WAY SPEAKER SYSTEM, 120 WATTS



Sansui's reputation for building audio components—speaker systems very much included—is earned not on our technical originality alone but also on the end result: spectacular musical performance and tonal accuracy. That's why we've applied our strictest tonal evaluation criteria to the good-looking, great-sounding SP5500X.

Since most speaker systems utilize

much the same principles for sound energy conversion and radiation, the differences among them become rather subtle and of vital importance. We've perfected an unusually large (15-inch) woofer for the SP-5500X to bring out the smooth and mellow bass sounds of today's music and reproduce them at a high enough level to sound convincingly live and real. Handling the all-important

fundamental musical sounds in the middle spectrum are a pair of twin cone mid-ranges, while a big horn-type tweeter and a separate supertweeter reproduce the highs and ultrahighs with precision and natural clarity. System balance is the key factor here, and one hearing will prove that the months of refining the beautiful balance of the SP-5500X were well spent indeed. From Sansui where it's *all* hi-fi.

Sansui

The big but balanced beauty of the SP-5500X

Huge 15-Inch Woofer for Smooth and Solid Bass

Big is beautiful, especially when you're talking about today's contemporary musical sounds. And to reproduce the loud and driving volume of electric basses, organs and other popular instruments requires a lot of a book-shelf-sized speaker system. We've taken care of this with the huge 15-inch woofer in the SP-5500X. Its new diaphragm material is a mixture of specially-processed kraft pulp and sulfite pulp, with an acoustically-ideal binding agent for strength. Each woofer cone is hand-made one at a time for optimum balance, and shaped by a special non-press molding technique to assure optimum firmness and internal loss.

Barium-Ferrite Woofer Magnet and Strain-Free Output

Since a large woofer requires the finest magnetic circuit to achieve proper damping, we use a very large (5 $\frac{1}{2}$ -inch) magnet made of powerful barium-ferrite for ideal performance. A heat-dissipating aluminum voice coil, the newly-developed woofer surround and other details assure that this big bass unit accepts a large signal input and delivers an equally powerful output without strain, responding with reduced intermodulation distortion and hardly any split vibration.

High Efficiency for Wider Dynamic Range

Though the SP-5500X accepts a very large input (120 watts, peak), its efficiency is high enough (98dB at 1m/1W) to allow the use of any receiver or amplifier, large or small. Sufficient volume in either stereo or 4-channel is assured, and with the increased efficiency comes the wider dynamic range you need for today's improved records, tapes, and FM broadcasts.

Twin Cone Midrange Drivers

Nearly all musical instruments, including the human voice, have their fundamental frequencies in the 1,000Hz to 6,000Hz range—the so-called "middle" of the frequency spectrum.

For precise and proper reproduction of these, the SP-5500X features not one but two large (5 $\frac{1}{8}$ -inch) cone midrange speakers, arranged symmetrically across the upper baffle for wider dispersion. The cones themselves are of NUKP and other selected pulp materials for a honey-rich sound. Tonal continuity from the woofer is smooth and natural thanks to specially-designed back cavities with felt-damped ports.

Horn Tweeter for Better High-Frequency Dispersion

Pulsive musical signals in the high ranges up to 10,000Hz retain their natural clarity in the SP-5500X since we have used a high-density Alnico-V magnetic in combination with a die-cast zinc horn. The latter material features particularly low resonance, and is designed with an equalizer to align phase response and avoid the dips and peaks in high frequency reproduction.

Mylar Film Supertweeter for Extended Highs

Most instruments—even cymbals—rarely produce a fundamental tone over 10,000Hz. But they do produce harmonics in the super-high range, and the SP-5500X's special horn-type supertweeter handles them perfectly. It's a die-cast zinc unit with an equalizer to reduce phase agitation for crisp and shimmering results. Its moving mass is low, thanks to its thin (30 μ) mylar film diaphragm and CCAW (Copper-Clad Aluminum Wire) voice coil. A silicon material is used for diaphragm damping to improve transient response.

Crossover Network

Built around a ferrite-core capacitor to keep distortion less than 1.0% over the entire range, this thoroughly-tested crossover network is more than strong enough to handle a 120 watt input without strain.

Level Control

The convenient level control on the front baffle has three positions (SOFT, NATURAL and CLEAR) to let you adjust output to best match your room, your music and your ears.

Damped Bass-Reflex Enclosure

A damped pipe-duct in the SP-5500X extends the bass. Cabinet construction—with mitered edges and masterful carpentry throughout—is strong and sturdy. The removable Kumiko handcarved grille is the unmistakable proof that you own a Sansui System—the best money can buy.

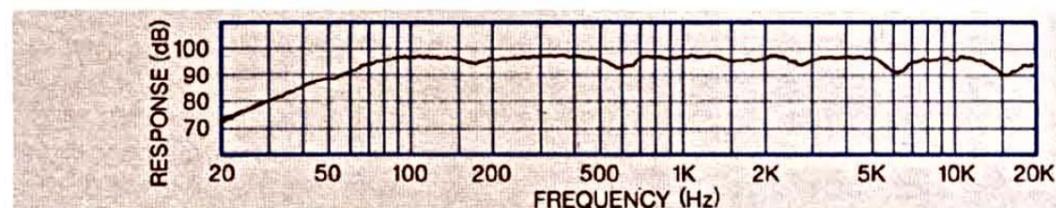


SPECIFICATIONS

SPEAKERS	
WOOFER	15" (380 mm) cone-type
MIDRANGE	5 $\frac{1}{8}$ " (130 mm) X 2 cone-type
TWEETER	6 $\frac{1}{16}$ " X 2" (154 mm X 50 mm) horn-type
SUPERTWEETER	2 $\frac{1}{8}$ " (54 mm) horn-type
POWER RATING	120 watts (peak)
IMPEDANCE	8 ohms
SENSITIVITY	98dB/W (new JIS at 1m)
FREQUENCY RANGE	25 to 20,000Hz
CROSSOVER NETWORKS	4-way, 18dB/oct., 12dB/oct., 6dB/oct. L-C parallel type

CROSSOVER FREQUENCIES	1,000Hz, 6,000Hz, 10,000Hz
FINISH	Top, side and bottom are in simulated walnut-grain finish. Front grill is made of Japanese Cypress.

DIMENSIONS	443 mm (17 $\frac{1}{2}$ ") W 661 mm (26 $\frac{1}{8}$ ") H 280 mm (11 $\frac{1}{8}$ ") D
WEIGHT	19.8 kg (43.7 lbs) Net 21.9 kg (48.3 lbs) Packed



Design and specifications subject to change without notice for improvements.

SANSUI ELECTRIC CO., LTD. 14-1, 2-CHOME, IZUMI, SUGINAMI-KU, TOKYO 168, JAPAN/TELEPHONE: 323-1111/TELEX: 232-2076
SANSUI ELECTRONICS CORPORATION 55-11 QUEENS BLVD. WOODSIDE, NEW YORK 11377, U.S.A./TELEX: NEW YORK 422633 SEC UI
SANSUI AUDIO EUROPE S.A. DIACEM BUILDING, VESTINGSTRAAT 53-55, 2000 ANTWERP, BELGIUM/TELEX: ANTWERP 33538

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