

\$96

SANSUI SP3000



SP-3000 5-WAY 6-SPEAKER HIGH FIDELITY SPEAKER SYSTEM

This represents a break-through, a major development in high fidelity sound reproduction. Never before has such dramatic detail and so many options been available in a quality system in this power and price range. Considered a masterpiece of electronic elegance, the SP-3000 utilizes a $6\frac{1}{8}" \times 2"$ horn type speaker in achieving unparalleled purity of sound in the critical higher midrange. It also incorporates an exceptionally large 15" woofer, a $6\frac{1}{2}"$ lower midrange, two 2" cone tweeters and a horn super

tweeter to form a harmonic alliance never before united in the 80 watt range. These remarkable speakers operate within a 5-way 12dB/oct. crossover network over a 30 to 20,000Hz frequency range. And all of this is encased in an oiled-walnut bookshelf-type enclosure, discreetly screened by the famed Kumiko fretwork grille. You get superlative sound from a system that will stand you in good stead for years to come and whose ageless beauty will always be an asset to your home.

Sansui

FORMIDABLE 80 WATT 5-WAY 6-SPEAKER SYSTEM:

Designed especially for the stereo enthusiast concerned with exceptional reproduction at high power levels, the SP-3000 operates over a wide 30 to 20,000Hz frequency range. It utilizes a large 15" woofer, a 6½" lower midrange, a 6½"×2" higher midrange, two 2" cone tweeters and a 2" super tweeter for its superb effect.

TESTED WITH MUSIC FOR MUSIC: Sansui goes most audio manufacturers one better in testing its fine speaker systems. The SP-3000, like all other Sansui models, was marketed only after it met repeated tests using music and live sound and not simply subjected to the instrument tests most makers use. Designed to reproduce music, the SP-3000 was music tested.

SPEAKERS

15" WOOFER WITH A POWERFUL MAGNET: Equipped with a mighty magnet, ⅛"-thick and 6½" in diameter, the 15" woofer is able to establish a powerful magnetic circuit providing flux density of 11,000 gauss and a total flux of 187,000 maxwells. Its cone paper, especially treated with resin to make it hard, helps cut down distortion and achieve better linearity. It features a 2⅜"-diameter voice coil, resulting in extremely faint nonlinear distortion even at the maximum 80 watts' amplitude. The combined effect of these components enable the SP-3000 to produce solid heavy bass sound, at very high volume levels.

6½" LOW MIDRANGE: The lower midrange, with a separate rear cover, is completely free from possible vibration resulting from the woofer's amplitudes. The rear cover, larger than those used previously, gives the speaker an extended bass reproducing capability of 600 to 2,000Hz. Thus the important bandwidth between 600 and 1,000Hz where so many important notes fall, is reproduced by a speaker with lighter mass than the woofer. Good transient response results. This speaker also comes with an aluminum domed radiator at the center of its cone, and not only renders very sharp, clearcut sound, but smoothes the transition to the horn type higher midrange.

6½"×2" HORN TYPE HIGHER MIDRANGE: The ability of a speaker system to produce well-defined, natural sound is dependent to a great extent upon the quality of 2,000 to 7,000Hz

sound it produces. In the SP-3000, this important bandwidth is made the responsibility of a horn speaker with a good transient response characteristic. The horn speaker, a full-fledged one with an equalizer in its horn throat, comprises a light but tough bakelite diaphragm impregnated with special resin and an aluminum diecast horn.

TWO 2" CONE TWEETERS AND HORN SUPER TWEETER: The SP-3000's 2" cone tweeters lend the system a large input capacity and its 2" horn type super tweeter permits it to reproduce the finest nuances of delicate treble sound. With the tweeters reproducing from 7,000Hz and the super tweeter from 10kHz, those frequencies above 10kHz are reproduced by both types, resulting in more natural treble sound.

NEW CROSSOVER NETWORK: Employing a new 12dB/oct. tap-down network coil, the SP-3000 permits changing over the output levels of the midranges and tweeters separately by switching a pair of controls on the enclosure. This network does not cause a deterioration of the speaker system's damping characteristics, a result often noted in inferior models. A ferrite core is used with the coil to lower the DC resistance below 0.1Ω (20 to 30Ω for a resistor type attenuator) to improve the system's overall transient response and to increase inductance. The tap-down network changes over the output levels of the midranges and tweeters individually in 3 steps (Clear, Natural and Soft) of 3dB each.

SPECIAL PIPE-DUCT BASS REFLEX ENCLOSURE: Extensive testing convinced Sansui audio engineers that a special pipe-duct bass reflex design would prove superior to the conventional square bass reflex design in acoustical properties. We think you will be convinced, too. To insure maximum efficiency in reproducing bass sound, the duct itself has been damped with special sound absorbent materials.

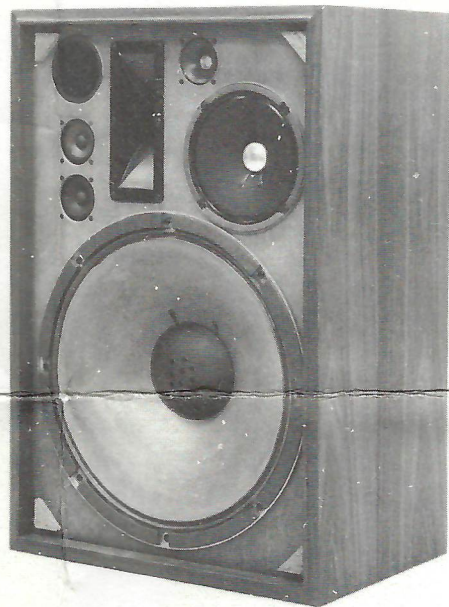
SPECIAL 1" SOUND ABSORBENT FELT: Harmful standing wave is averted by lining the enclosure with special 1"-thick corrugated felt of the finest sound absorbent efficiency. The felt also acts to prevent mutual interference among speakers.

ONE-TOUCH CONNECTION TERMINALS: Convenient pushbutton-type connection terminals are located on the rear of the SP-300.

Color coded as to plus and minus sides, they eliminate the possibility of short-circuits as well as simplifying connection to an amplifier.

CHIPBOARD ENCLOSURE: Constructed of hard, dense 1"-thick chipboard base materials, it has been especially reinforced and designed for sound absorbing efficiency. Unpleasant "cabinet resonance" has been entirely eliminated.

KUMIKO FRETWORK STYLING: The distinctive hard-carved Kumiko fretwork grille and handsome oiled walnut grain of the enclosure are mutually complementary, providing an elegant display case for these fine speakers and greatly enhancing the decor of any room.



SPECIFICATIONS

SPEAKERS:

WOOFER 15" cone type
LOWER MIDRANGE 6½" cone type
MIDRANGE 6½"×2" horn type
TWEETERS 2"×2, cone type
SUPER TWEETER 2" horn type
POWER RATING: 80 watts (peak)
SENSITIVITY: 105dB/watt
IMPEDANCE: 8 Ω
FREQUENCY RANGE: 30–20,000Hz (anechoic chamber)
26–20,000Hz (normal listening room)

CROSSOVER FREQUENCIES:

600, 2,000, 7,000, 10,000Hz

CROSSOVER NETWORK:

5-way 12dB/oct.

LEVEL ADJUSTMENT:

midrange 3-step (clear, natural, soft)
high-range 3-step (clear, natural, soft)

pipe-duct bass reflex type

25¼" H × 17¼" W × 11¾" D

oiled walnut

60.5 lbs.

