

# SANSUI SP1200



### 3-WAY 5-SPEAKER MULTI-DIRECTION SPEAKER SYSTEM:

Speaker design, performance and quality take a giant step forward with the introduction of this Multi-Direction or MD speaker system from Sansui. For the first time ever, it is possible to re-create the complex interference of sound waves normally present in an original sound field in your living room. Sansui engineers have brought this about by mounting midranges and tweeters at various angles to the front of the cabinet. The combined effect of this speaker placement, together with the curved design of the enclosure, is to create a virtual whirlpool of sound inside

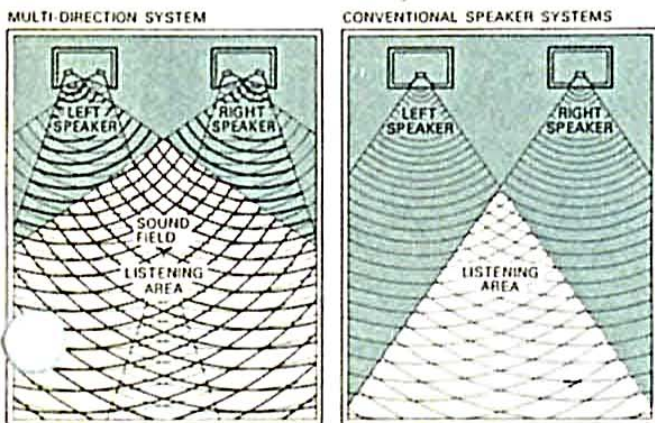
the listening room. But this is only one of many innovations you'll find in the SP-1200. The 10-inch woofer of the system adopts a new mechanical high-cut design which permits it to be fed directly from the amplifier, by-passing such damping-deteriorating elements as coils and capacitors. The crossover network is also new, adopting an E-type ferrite core and printed circuit board design. The latest one-touch pushbutton connection terminals, large 60 watt handling capacity and Sansui's famed Kumiko fretwork grille combine to make the SP-1200 the most advanced speaker system in its power and price range on the world market.

*Sansui*

**ELEGANT 3-WAY 5-SPEAKER 60 WATT SYSTEM** The SP-1200 utilizes a mechanical high-cut type 10-inch high-compliance woofer for the lows, and a pair of 4-inch cone speakers with aluminum dome radiators for the all important midranges in Sansui's unique Multi-direction system. For the highs, a pair of 2-inch cone speakers are employed, and thanks to the use of a specially designed voice coil and other new developments, the system is able to accept up to 60 watts in input without distortion.

**TI-DIRECTION SYSTEM**

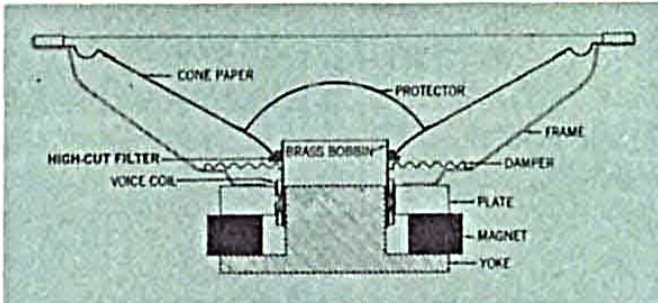
By employing a new speaker mounting method, Sansui's unique Multi-direction or MD system is able to reproduce within the listening room the same exciting liveliness or sense of 'presence' experienced in a concert hall or wherever the original live performance was conducted. The development puts Sansui in the forefront of the industry-wide trend away from the simple reproduction of sound source points and toward the reproduction of an entire sound field. Basically, the new mounting method increases the interaction of sound waves by having them criss-cross as they emerge from the individual speakers. The resultant sound field effect is simply not obtainable through a mere widening of sound dispersion. In the SP-1200 MD system, the pairs of midranges and tweeters are mounted at an interior angle to the front, producing an interference fringe—a whirlpool of sound—inside the listening room. The result is greater fidelity than was ever possible with conventional speaker systems.



**NEWLY DEVELOPED WOOFER**

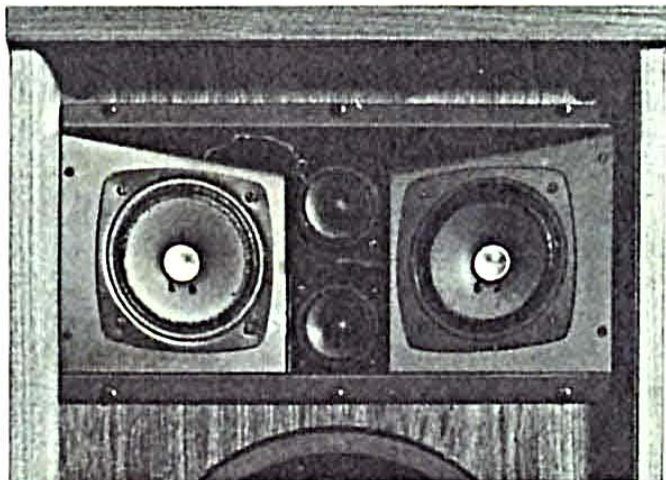
The SP-1200's newly developed woofer is of unique mechanical high-cut filter design to abruptly attenuate the high end of the speaker's frequency response. As a result the output signal of the amplifier is fed directly into the woofer, by-passing such adverse damping elements as coils and capacitors. Which means a

very smooth frequency response even at very low frequencies, for the reproduction of extremely well-damped rich bass sound. In addition to the new design, the woofer offers a big 10-inch cone speaker which reproduces very low frequencies below 40Hz with excellent frequency response, intermodulation distortion and dispersion characteristics. Equipped with a powerful magnetic circuit for steady piston action with superior transient response, it also features a copper wire voice coil and a brass coil bobbin which enable it to provide excellent heat diffusion and strength and thus to withstand a big 60 watts in maximum power input.



**4-INCH CONE MIDRANGES**

Each of these special angle-mounted speakers has a new concave aluminum dome radiator mounted directly on the voice coil bobbin. This permits a very smooth, natural transition to the tweeters with virtually no phase agitation around the crossover. The unique concave design of the dome radiator helps improve sound diffusion as well. Specially designed to permit effective diffusion of radiated heat, each speaker is able to withstand a big power input. In addition, special acoustical measures have been taken to prevent woofer interference, with the result that frequency response near the woofer crossover is very smooth, affording a natural transition to the bass sound.



**2-INCH CONE TWEETERS**

A pair of vertically arranged 2-inch cone tweeters handle frequencies over 6,500Hz. The upper one is tilted downward 3 degrees and the lower upward by 3 degrees. This means improved sound dispersion and reinforced sound field effect. Each tweeter includes a very light vibrating system and reproduces treble notes of very clear, refreshing timbre that connect naturally with the midranges.

**NEWLY DESIGNED CROSSOVER NETWORK**

The newly designed high-performance LC type network of the SP-1200 utilizes an ideal E-type ferrite core and is designed as a printed circuit board for greater reliability. In addition, it is equipped with unique 3-step (SOFT, NATURAL and CLEAR) 'tap-down' level controls for the midranges and tweeters. They permit selecting the tonal quality best suited to the acoustic environment and to the listener's personal taste.

**SPECIAL CHIPBOARD ENCLOSURE**

The SP-1200 enclosure adopts a bass reflex design, making use of two pipe ducts and combining the advantages of both the air suspension and bass reflex designs. It completely avoids any unnatural increase in sound pressure at low frequencies, as well as any unpleasant cabinet resonance, and offers a flat frequency characteristic and a very low distortion factor. Of solid chipboard and covered with open-pore-finished natural walnut, the cabinet is able to reproduce the heavy rich bass of a pipe organ or any other instrument.

**CURVED 'KUMIKO' FRETWORK GRILLE**

The SP-1200 is graced with a beautiful 'Kumiko' fretwork grille like other Sansui speaker systems. The difference, however, is that it is curved for a still more elegant appearance and a superior sound diffusing effect. It adds immensely to the decor of any room.

**PUSHBUTTON CONNECTION TERMINALS**

With the SP-1200, connections are made almost effortless, thanks to the adoption of foolproof one-touch pushbutton type connection terminals. Just push the terminal button, insert the end wires in the opening, and release the button. This system also minimizes the possibility of speaker terminal short circuits.

**SPECIFICATIONS**

<b>SPEAKER</b>	25cm (10") x 1
<b>WOOFER</b>	10cm (4") x 2 cone-type
<b>MIDRANGE</b>	5cm (2") x 2 cone-type
<b>TWEETER</b>	60W (Peak)
<b>POWER RATING</b>	8Ω
<b>IMPEDANCE</b>	92dB/W
<b>SENSITIVITY</b>	50-20,000Hz
<b>FREQUENCY RANGE</b>	(anechoic chamber)
	35-20,000Hz (normal listening room)
<b>CROSSOVER NETWORK</b>	3-way 12dB/oct. parallel type
<b>CROSSOVER FREQUENCIES</b>	700Hz, 6,500Hz
<b>DIMENSIONS</b>	604mm (23 1/4") H x 402mm (15 7/8") W x 275mm (10 7/8") D
<b>WEIGHT</b>	19.4kg (42.7lbs.)
<b>FINISH</b>	21.5kg (47.3lbs.) (packed) walnut open pore

