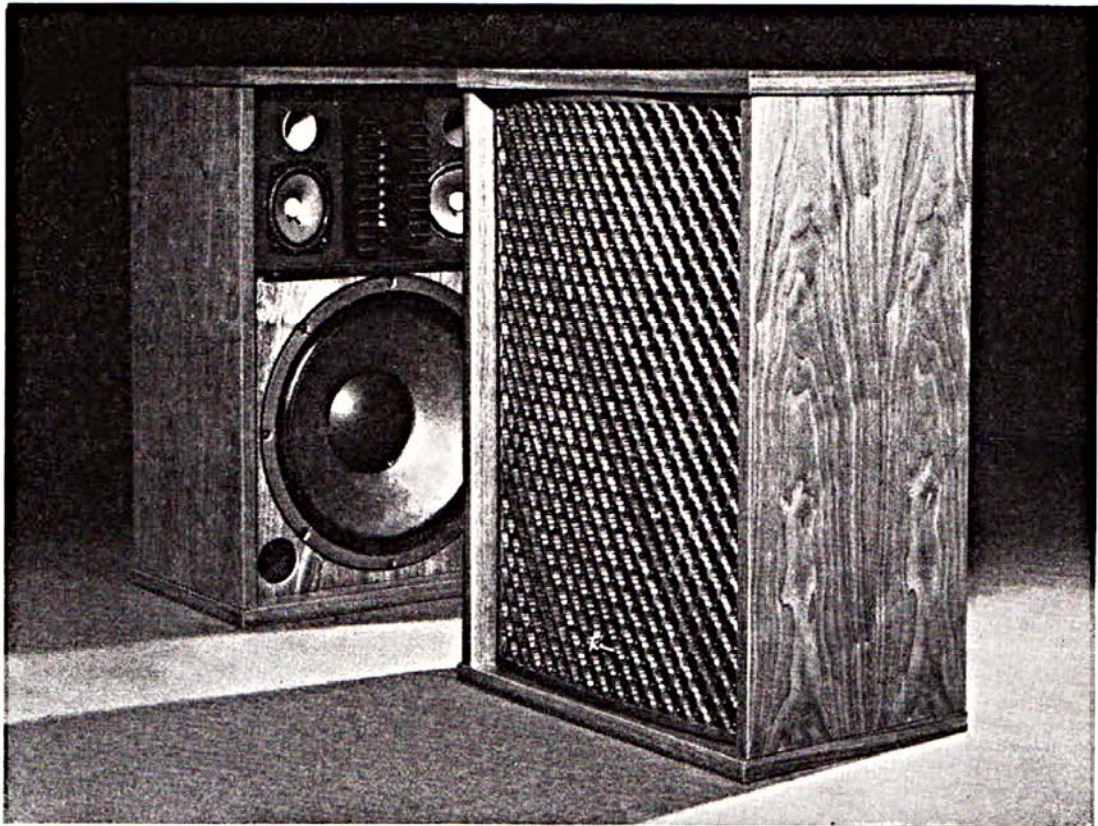


# SANSUI SPEAKER SYSTEM

## SP-3500



OPERATION AND MAINTENANCE MANUAL

*Sansui*

SANSUI ELECTRIC COMPANY LIMITED

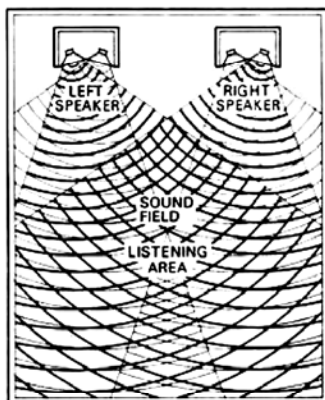
Congratulations in joining the thousand of proud, satisfied owners of quality stereo components from Sansui. The speaker units and acoustical enclosure of the SP-3500 are entirely new designs, containing fresh technical features:

## FEATURES

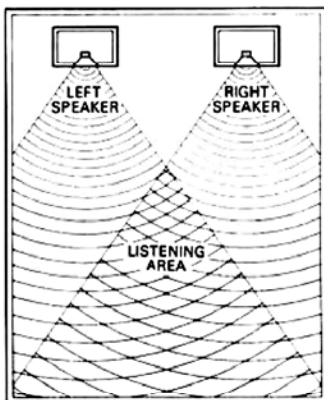
### Multi-directional Speaker System

The Sansui's exclusive Multi-directional Speaker System creates the realistic atmosphere of a concert hall or a jazz club for each listener in the room, regardless of seating position. In this system, the two horn tweeters and two cone midranges are directed inward at an angle of  $15^\circ$  to the principal axis of the speaker system itself so that their directional sound waves are crossed in the sound field to offer not only wide dispersion but realistic reproduction of music.

**MULTI-DIRECTIONAL  
SPEAKER SYSTEMS**



**CONVENTIONAL SPEAKER  
SYSTEMS**



### Woofer

The 14" woofer gives uniform response through the lowest octave of hearing. It is also fitted with 6" massive ferrite magnet, copper voice coil and high quality aluminium bobbin, all necessary when handling high power of 100 watts.

### Midranges

The two 4" cone midranges employ the aluminium concave dome radiator mounted directly on the voice coil bobbin which gives exceptionally smooth response up to 20 kHz. The horn midrange, mounted in the upper central portion, is fitted with an acoustical lens for wider dispersion.

### Tweeters

The two horn tweeters with lowest distortion and highest efficiency are mounted at  $15^\circ$  to the principal axis of the system itself to improve their directional pattern.



## PLACEMENT

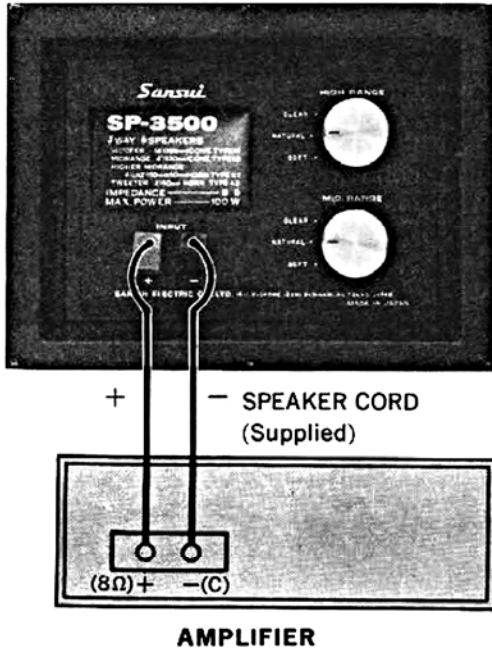
As a general rule, the speaker systems should not face a bare plaster wall, large picture window or some similar hard surface that can bounce back most of the sound. If so, the music may sound shrill. One way of avoiding this is to hang draperies along at least part of the wall exactly opposite the speakers.

## CONNECTION

### Connection to Amplifier

Connect the positive (+) lead from the red speaker terminal to the 8-ohm positive terminal on the amplifier.

Connect the other lead from the negative (-) speaker terminal to the terminal marked (C) or (-) on the amplifier.

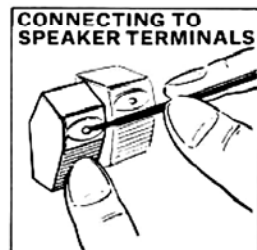


**Important:** The stereo speakers must be correctly phased. They must push the sound waves out together. If one speaker pushes while the other pulls, some sound cancels out, especially the bass.

### To Connect to Terminals

The SP-3500 has been provided with the latest spring-loaded terminals which make connections easier and safer than ever. To connect:

1. Depress the colored button, opening a hole in the terminal post.
2. Push the exposed end of the lead wire into the opening.
3. Release the button.



## OPERATION

### Level Controls

The SP-3500 has been provided with 3-position high- and mid-range level controls. They can be used individually to compensate in some degree for room acoustics. The settings of Clear, Natural and Soft should be used as needed:

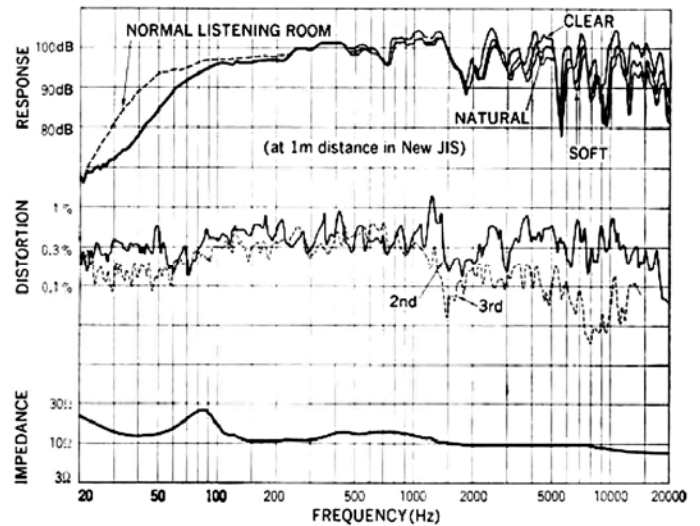
**Clear**—Set the control to this position if midrange and highs are absorbed and bass is overemphasized.

**Natural**—Set to here if the system(s) is installed in the average furnished room.

**Soft**—Use this position if midranges and highs are overemphasized and bass is absorbed.



### CHARACTERISTICS



### To Remove Front Grill or Rear Panel

The front grill can be removed by removing four screws from each corner.

Before removing the rear panel from the enclosure, be sure to turn down the volume or turn off the entire system.

## SPECIFICATIONS

### SPEAKER

WOOFER:	35cm (14") × 1
MIDRANGE—1:	10cm (4") × 2 Cone-Type
MIDRANGE—2:	10 × 5cm (4½" × 2") × 1 Horn-Type
TWEETER:	5cm (2") × 2 Horn-Type
POWER RATING:	100W (Peak)
IMPEDANCE:	8 ohms
SENSITIVITY:	100 dB/W (New JIS)
FREQUENCY RANGE:	40 to 20000Hz (at Anechoic Chamber) 25 to 20000Hz (at Normal Listening Room)

### CROSSOVER

NETWORK: 4-way 12 dB/oct Parallel Type

### CROSSOVER

FREQUENCIES: 700Hz 2kHz 6.5kHz

### DIMENSIONS:

450mm (17¾") W  
640mm (25¼") H  
290mm (11⅞") D

### WEIGHT:

26.4kg (58.1 lbs) net  
31.0kg (68.2 lbs) gross

### FINISH:

Walnut Open Pore

## ACCESSORIES

OPERATING INSTRUCTIONS .....	1
SPEAKER CORD .....	1
POLISHING CLOTH .....	1
FELT CUSHIONS .....	4

If you have any questions concerning the operation, maintenance or repair of this speaker system, please contact the dealer from whom it was purchased or Sansui's Authorized Service Station.

\* Manufacturer reserves right to change design and/or specifications without notice for purpose of improvement.



SANSUI ELECTRIC COMPANY LIMITED

Head Office ; 14-1, 2-chome, Izumi, Suginami-ku, Tokyo, Japan. TEL. 323-1111

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