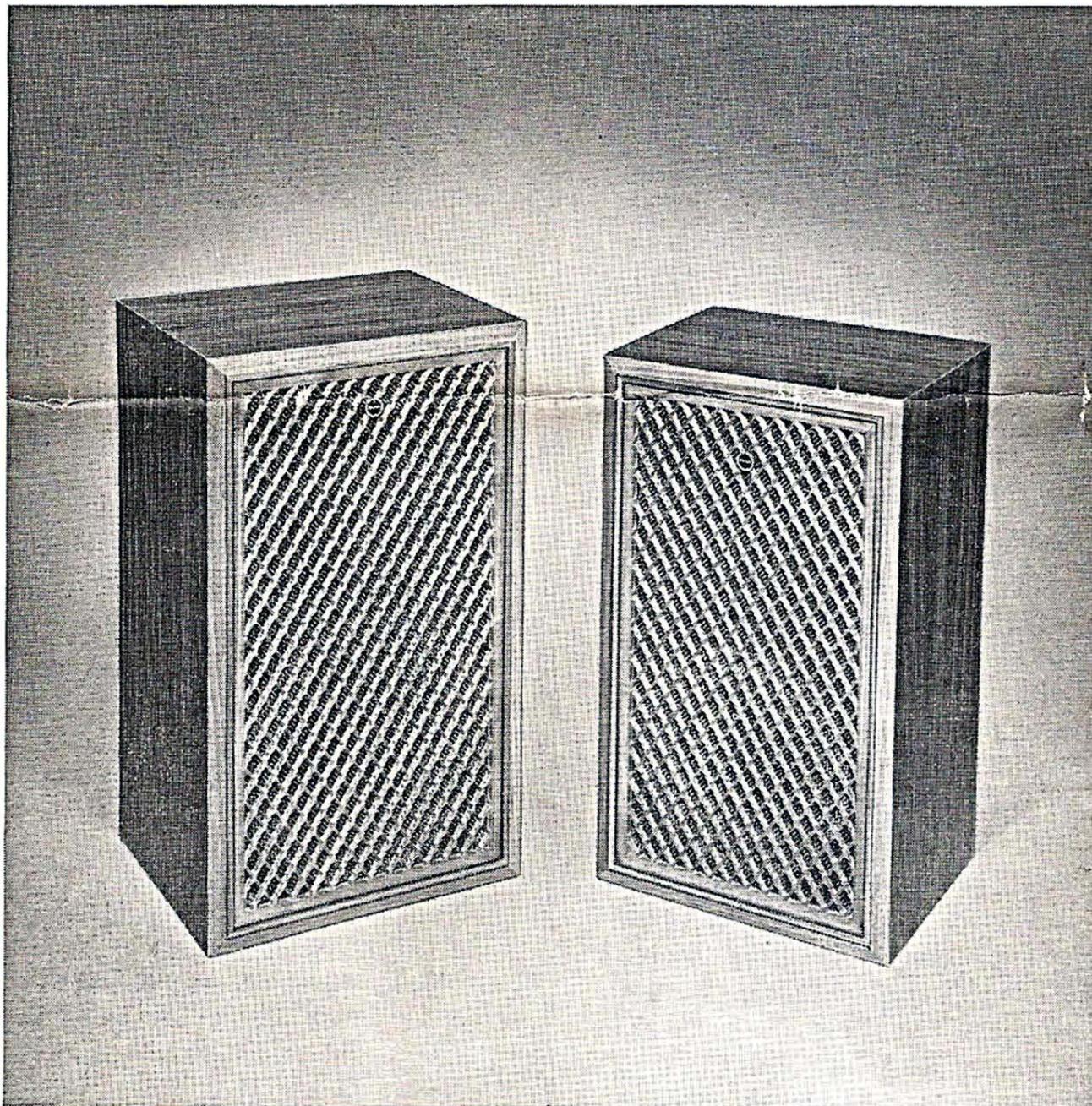


SANSUI SPEAKER SYSTEMS

SP-200 SP-100



OPERATIONS

Sansui[®]

SANSUI ELECTRIC COMPANY LIMITED

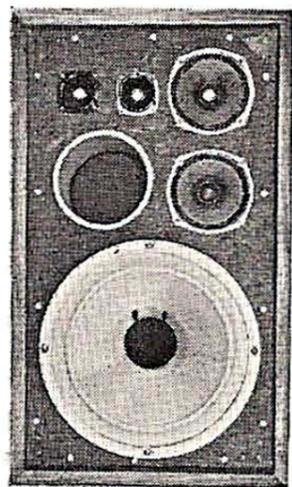
FEATURES

SP-200

CREATIVE SPEAKER DESIGN BASED ON REPEATED HEARING TESTS AS WELL AS ON LABORATORY TESTS

Speaker performance may be well measured by laboratory instrumentation. But "live" sound must be proved by human ears or hearing test. Thus, Sansui's speaker system is designed on the basis of a wide variety of data obtained from repeated actual tests as well as from laboratory tests. These tests have been made not only in our modern laboratory and test room, but also in different dimensions and decors of real living rooms made of different construction materials. That's why Sansui's SP series system can reproduce lifelike stereo sound wherever it may be installed.

3-WAY 5-SPEAKERS SYSTEM



The SP-200 is a full-range 3-way 5-speakers system consisting of a 12-inch woofer, two 5-inch mid-range speakers and two 2-inch horn type tweeters. It can faithfully reproduce deep, rich lows, and clean, transparent highs, and all the tones in between.

WOOFER: Designed to match the "pipe-ducted" bass reflex type enclosure. Its edge, paper cone, damper and other components are all designed to give

the best linearity even at any big amplitudes, assuring good damping characteristic at low frequencies. Equipped with specially designed level control.

MIDRANGES: It is often said that the quality of midrange determines the value of a speaker system. Generally many speaker systems tend to neglect the midrange, giving too much care to high and low frequency ranges. The SP-200 is provided with two 5-inch rear-sealed high-performance midranges whose powerful magnetic circuit prevents any interference with the woofer. They can reproduce a live sound of strongly attacked percussion instruments as if they were played just before you.

TWEETERS: The clear, clean, transparent highs are a measure of a performance of a speaker system.

The SP-200 possesses two horn-type speakers whose frequency response is more than 20,000 Hz and whose transient response is excellent, too. You can enjoy romantic mood of strings as it is.

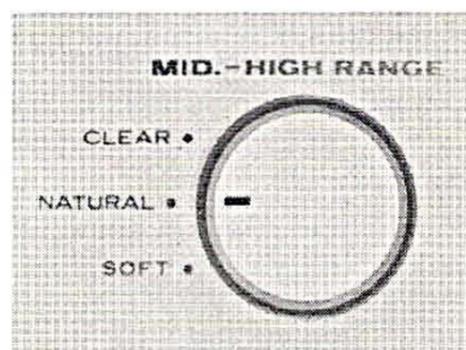
FAITHFUL REPRODUCTION OF BASS TONES BY PIPE-DUCTED BASS REFLEX

The Sansui's exclusive "pipe-ducted" bass reflex enclosure helps reproduce original bass tones faithfully. The bass sounds that are boomy or exaggerated in a limited bass range never deserve the name of Hi-Fi. In order to match the pipe duct characteristics, the woofer is designed to lower "*f_o*" greatly by the cross edge, assuring the faithful reproduction of the lowest.

TRANSFORMER TYPE 12dB CROSSOVER NETWORK

Here's the Sansui's exclusive knowhow of the transformer. The transformer type network is designed to let each of woofer, midranges and tweeters function in its most suitable frequency range, assuring clear sound even at the crossover points.

SPECIALLY DESIGNED LEVEL CONTROL



The Sansui's exclusive transformer-type crossover network changed the level control from the conventional volume-type attenuator to the latest tap-type control whose operation does

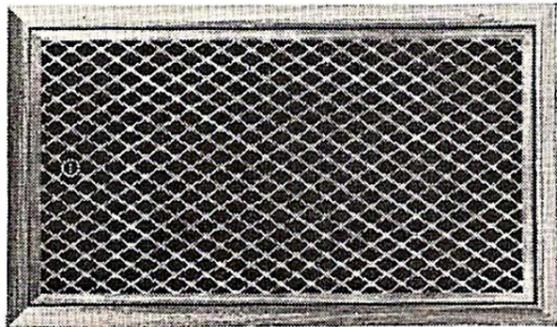
not influence the damping characteristics at all. This level control has three positions to adjust: clear, natural and soft. The "natural" position is for the average rooms; "clear" for the rooms where the highs are swallowed up and the lows are exaggerated; and "soft" for the rooms where the lows are swallowed up and the highs are exaggerated.

1 INCH THICK GLASS WOOL USED AS SOUND ABSORBENT

1 inch thick glass wool with the highest soundabsorbing coefficient possible prevents the standing wave from occurring in the enclosure. As a result, the mutual interference of the speakers is completely eliminated.

BEAUTIFULLY FINISHED WALNUT ENCLOSURE
 The enclosure is made of high-density tip board of 21 mm in thickness and beautifully finished in walnut. Due to its structural design and select materials it has unsurpassed durability.

DELUXE HAND-CARVED SPEAKER GRILL



The speaker grill is a fruit of an exquisite combination of Japanese traditional craftsmanship and European elegant color and design.

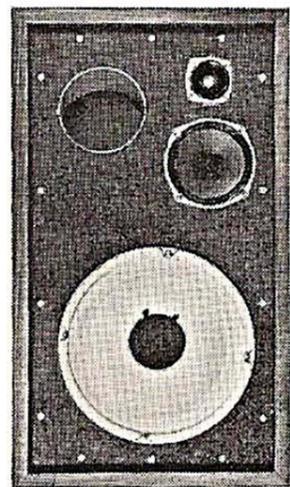
It will enhance the beauty of your living room. What's more, it helps produce better quality of sounds.

INTERFERENCE-FREE POSITIONING OF SPEAKERS

Although the installation of two or more speakers in one box often leads to the mutual interference between them, the "SP series" system solved such a problem through years of our researches on the positioning of the speakers.

SP-100

3-WAY 3-SPEAKERS SYSTEM



The SP-100 is a 3-way 3-speakers system consisting of a 10-inch woofer with specially-designed powerful magnetic circuit, 5-inch midrange speaker with high efficiency and high damping characteristics, and 2-inch horn-type tweeter.

SPEAKER PERFORMANCE AND OUTSTANDING FEATURES

The speaker performance of the SP-100 is almost the same as that of the SP-200. All the other features and advantages of the SP-200 have been built into this model.

SPECIFICATIONS

SP-200

SPEAKERS:

- WOOFER: 12" cone type
- MIDRANGE: 5" cone type × 2
- TWEETER: 2" horn type × 2

INPUT (MAX): 45W

INPUT IMPEDANCE: 8Ω

FREQUENCY RESPONSE: 35~20,000 Hz

CROSSOVER: 1,500 Hz, 5,000 Hz

DIMENSIONS:

- WIDTH: 14 15/16"
- DEPTH: 12 19/32"
- HEIGHT: 25 25/32"
- WEIGHT: 40.6 lbs

SP-100

SPEAKERS:

- WOOFER: 10" cone type
- MIDRANGE: 5" cone type
- TWEETER: 2" horn type

INPUT (MAX): 25W

INPUT IMPEDANCE: 8Ω

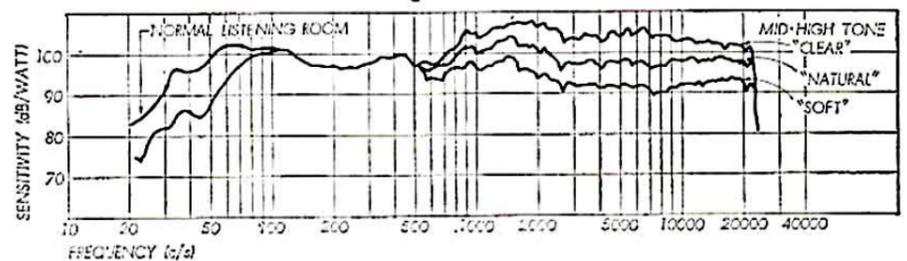
FREQUENCY RESPONSE: 45~20,000 Hz

CROSSOVER: 1,500 Hz, 5,000 Hz

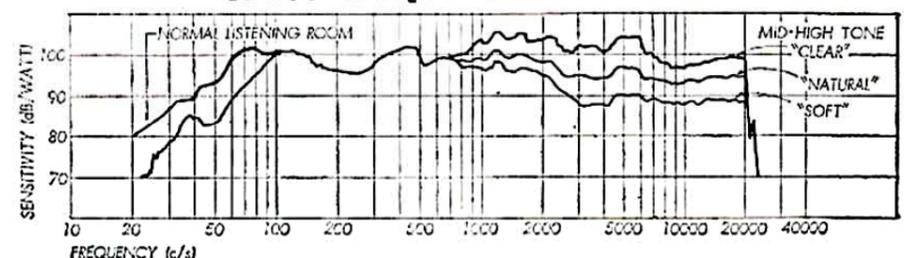
DIMENSIONS:

- WIDTH: 14 3/32"
- DEPTH: 11 45/64"
- HEIGHT: 24 7/16"
- WEIGHT: 34.6 lbs

SP-200 FREQUENCY RESPONSE



SP-100 FREQUENCY RESPONSE



HOW TO CONNECT

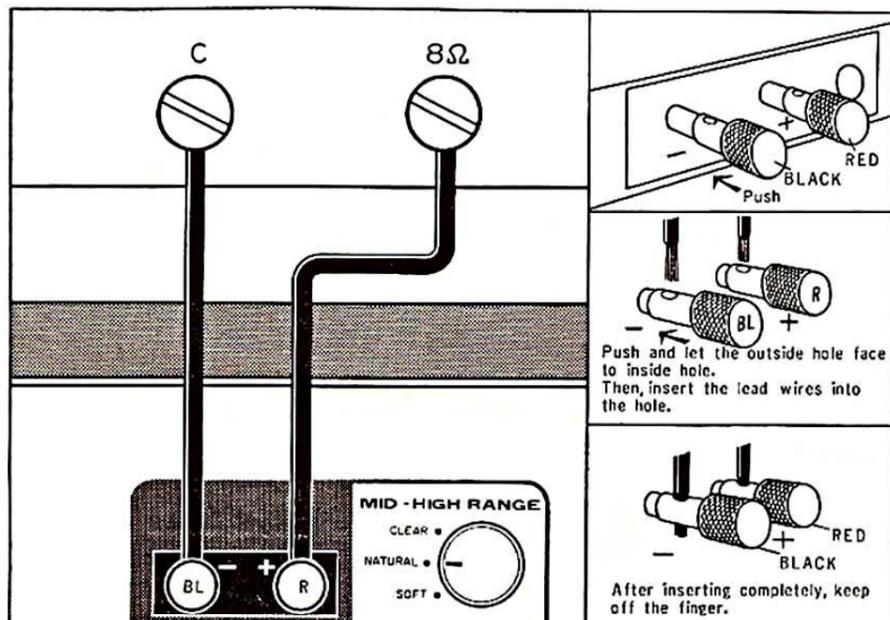
Connect the (+) input terminal located on the rear of the enclosure of the left-hand speaker system to the left-channel 8 Ω terminal of the amplifier by means of RED cord (supplied). And then, connect the (-) terminal of the speaker system to the left-channel "C" or "O" terminal by another cord (supplied).

Connect the (+) input terminal of the right-hand speaker system to the right-channel 8 Ω terminal of the amplifier by means of RED cord. And then, connect the (-) terminal of the speaker system to the right-channel "C" or "O" terminal of the amplifier by means of another cord.

Before attempting to place the speaker system in its final location, make sure the speakers are correctly phased.

For easier connection, this speaker system is provided with the push-type terminal board. Connect correctly as illustrated below.

If you want to use two or more speaker systems per one channel, pay a special attention to the in-phase operation of the speakers and the proper impedance of the amplifier. If connected in parallel, the correct impedance is 4 Ω . On the other hand, if connected in series, it is 16 Ω . The parallel connection of the speakers is preferable to the series one.



LEVEL CONTROL

The level control is located on the rear of the enclosure. It has three positions to adjust: "clear", "natural" and "soft". If this speaker system is installed in the average room, set it to "NATURAL". If installed in the room where the highs are swallowed up and the lows are exaggerated set it to "CLEAR". If installed in the room where the lows are swallowed up and the highs are exaggerated, set it to "SOFT".

INSTALLATION PLACE

The speaker performance can be greatly influenced by acoustic environment. In addition, the degree of liveness of a speaker system can be greatly influenced by room furnishings. Therefore, it is advisable to place the system against wall in a corner of the room after covering glass windows with curtain cloth and removing reflecting surfaces, if possible.

OPERATION AND MAINTENANCE HINTS

1. CLICK NOISE

If the switch operation of the amplifier will make a click noise especially in a big hall, reduce the volume and then use the switches.

2. IMPEDANCE

The specified impedance of the "SP series" is 8 Ω but they can be well used within the range of 6 to 15 Ω . Therefore, they can be connected to almost all types of amplifiers. In case of a transistor amplifier, however, carefully read the manufacturer's instructions before attempting to connect to it.

3. WHERE PLACED

The speaker system should be installed from a upkeep standpoint as well as from the acoustic. Never install it in a place where it may be exposed to the sun.

4. REAR PANEL

Never attempt to open the rear panel of the enclosure during operation. If necessary, reduce the volume to the lowest possible. If big input should be applied to the speakers with the rear panel left open, the system might be damaged due to overload.

Sansui®

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