

SANSUI RA500



SOLID STATE REVERBERATION AMPLIFIER Now a whole new dimension is added to the rich sounds of Sansui stereo. This double pick-up type reverberation unit makes it possible. It brings to the living room the vibrant, echo chamber effect normally found only in professional recording studios. Reproduced sound now gets greater depth, realism and color than was ever before possible. Compact and easy to use, the Sansui RA-500 offers a continuously adjustable reverberation time with visual

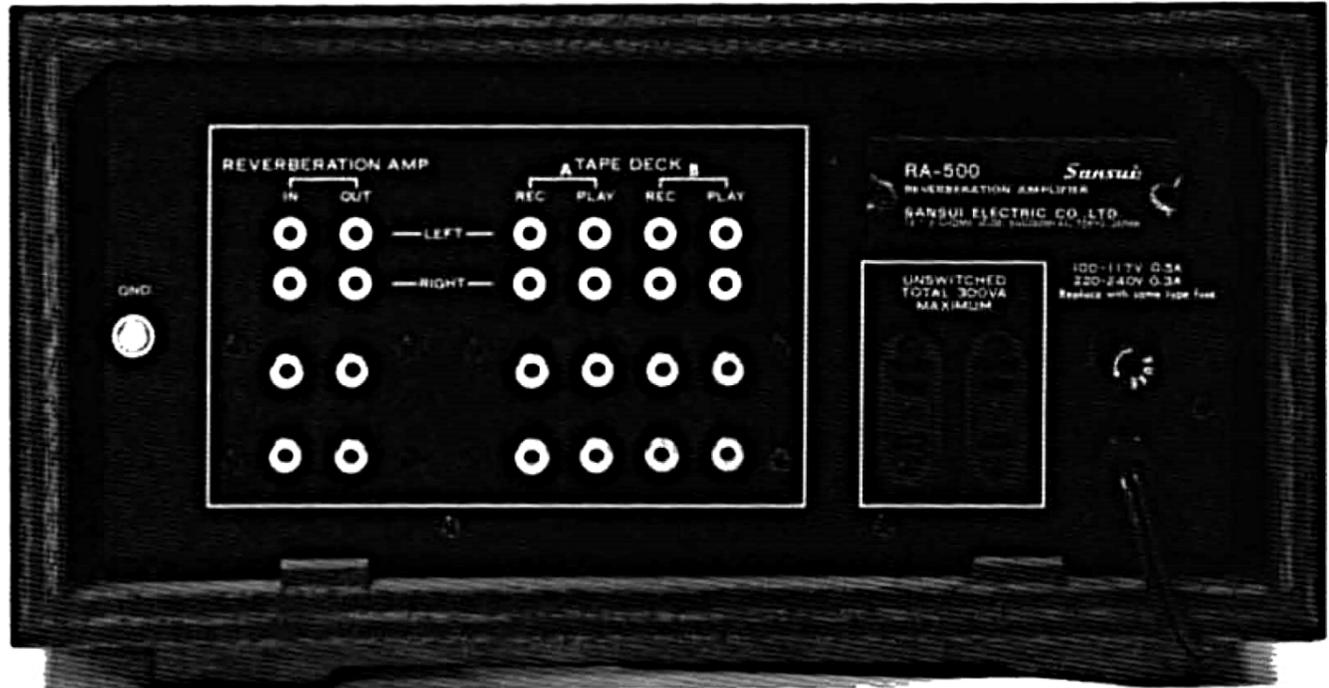
indication. It can handle two tape recorders simultaneously and allows you to add echo effects either during recording or playback. It also can give greater presence to records, radio broadcasts or to your own voice. Designed for maximum performance with other Sansui components, the RA-500 can be used in any quality stereo system. Useable worldwide. Ask your dealer for a personal demonstration.

Sansui

NATURAL REVERBERATION: The RA-500's double pickup type reverberation unit far surpasses in professional performance the effect attainable with the old single pickup type. In the Sansui system, there is a convergence of sound from two channels, resulting in a far more natural echo effect than conventional systems produce. It works this way: direct signals which have been passed through the preamplifier meet and melt with opposite channel signals to which reverberation has been added. The composite result is richer stereo, stereo with a kind of super enriched resonance.

CONTINUOUSLY ADJUSTABLE REVERBERATION TIME: A front panel time control governs the delay between the instant the recorded sound is heard and when the reverberation effect is imposed. The duration of the added effects can also be regulated within a 1.9 to 3.2 second framework at 1kHz.

EXCEPTIONAL VERSATILITY: Stereo enthusiasts will appreciate the variety of ways in which the RA-500 can heighten their enjoyment. First, reverberation can be added to the sound of any program source—phonograph, tuner or tape recorder. Secondly, simultaneous recording and monitoring of such enriched sound can be accomplished with a three-head tape recorder, and monitoring such sound as it is about to be recorded is possible with a two-head tape recorder. Since the RA-500 is equipped with two tape monitor circuits, another possibility is to add reverberation to the sound from one tape recorder and monitor it while transferring it to the other, as shown below. Further, with the help of two stereo amplifiers and four speaker systems, the unit can produce a quasi 4-channel stereo effect.

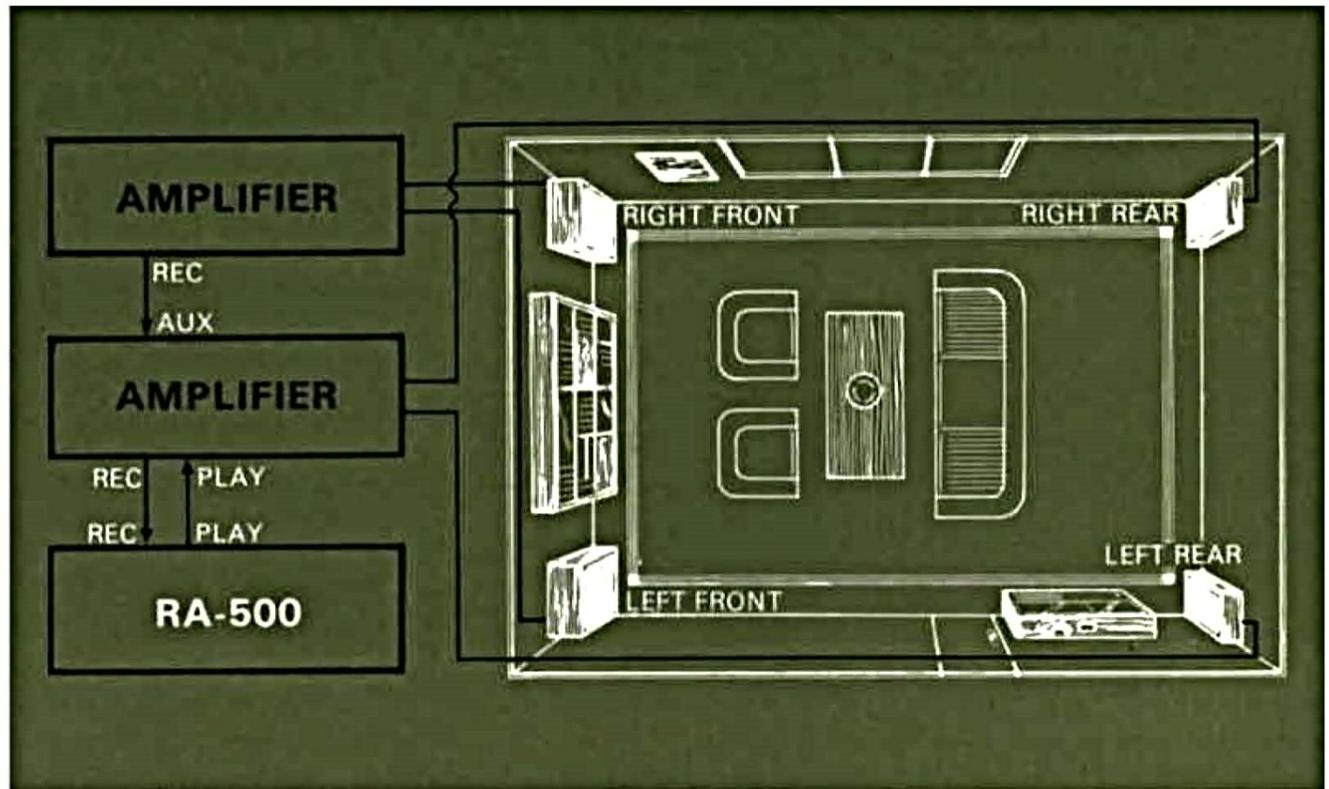
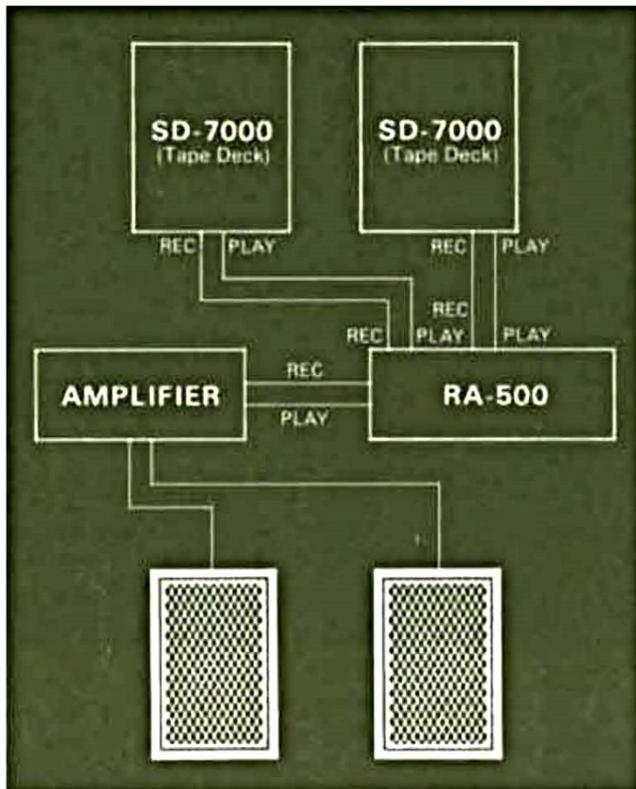


ADD REVERBERATION DURING RECORDING OR DURING PLAYBACK: Another important front panel control is the Reverberation Mode switch, which permits the operator to add reverberation effects either while making a recording or during playback.

RAINBOWED REVERBERATION INDICATOR: Two rainbows, one inverted, merge in a brilliant splash of color as the Reverberation intensity is heightened, then draw sharply and distinctly apart when it is reduced. This indicator provides an at-a-glance check on whether the echo effect is being employed.

ALL SILICON TRANSISTOR CIRCUITRY: No fewer than 11 advanced transistors and three diodes are utilized in the super compact RA-500. That kind of engineering keeps the unit to a very manageable 11.4 lbs., and ensures cool, stable performance.

By coupling amplifiers, speaker systems and the RA-500 as shown below, 2-channel program sources can be made to achieve a quasi 4-channel stereo effect.



SPECIFICATIONS

RATED OUTPUT VOLTAGE 300mV (at 1,000Hz, Reverberation time minimum, input level 200mV)

MAXIMUM INPUT VOLTAGE 3V (at 1,000Hz, Reverberation time minimum)

HARMONIC DISTORTION less than 0.2% (at 1,000Hz, Reverberation time minimum, output level 300mV)

FREQUENCY RESPONSE 20-30,000Hz \pm 2dB (at Reverberation time minimum)

SIGNAL TO NOISE RATIO 65dB (at output level 300mV)

REVERBERATION TIME 1.9-3.2 second (at 1,000Hz)

INPUT IMPEDANCE greater than 200k Ω (at 1,000Hz)

INPUT AND OUTPUT JACKS

INPUT

OUTPUT

TAPE RECORDING-A

TAPE RECORDING-B

TAPE PLAY BACK-A

TAPE PLAY BACK-B

LOAD IMPEDANCE 100k Ω

SWITCHES AND CONTROLS

REVERBERATION MODE

ON/OFF/RECORDING

PLAY BACK-B/PLAY BACK-A/A-B PRINT/B-A PRINT

REVERBERATION TIME 0-10

POWER REQUIREMENT

POWER VOLTAGE 100/117/220/240V, 50/60Hz

POWER CONSUMPTION 10VA

SEMICONDUCTORS Transistors: 11 Diodes: 3

DIMENSIONS 6 $\frac{3}{8}$ "(162mm)H x 11 $\frac{7}{8}$ "(302mm)W x 10 $\frac{7}{16}$ "(265mm)D

WEIGHT 11.4 lbs. (5.2 kg)