

RA-900

Sansui Reverberation Amplifier



Only hi-fi, everything hi-fi.



The Sansui RA-900: Exciting Color and Depth for Your Stereo Sources.



- Double
- High 96
- Adjusta
up to 3
- Built-in
mixing

The addition of reverberation (or echo effects) to your stereo sources makes all musical reproduction seem much closer to the authentic realism of the original performance—concert hall realism, disco realism, much more.

Now with the Sansui RA-900 the listening pleasure of your current hi-fi system is sure to be enhanced. This efficient unit has a special circuit with which to mix a tape, FM or record sound with another source—say, a microphone or guitar sound. It also accepts two stereo tape decks, cassette or open-reel, and permits dubbing in either direction. When you add up all these capabilities you quickly arrive at the fact that it's the most versatile and easy-to-use reverb amp available.

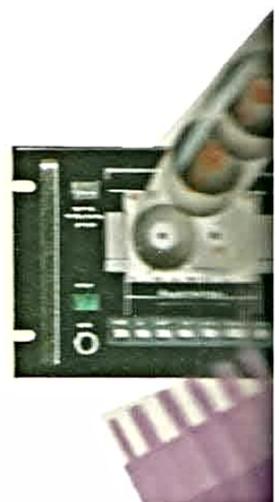
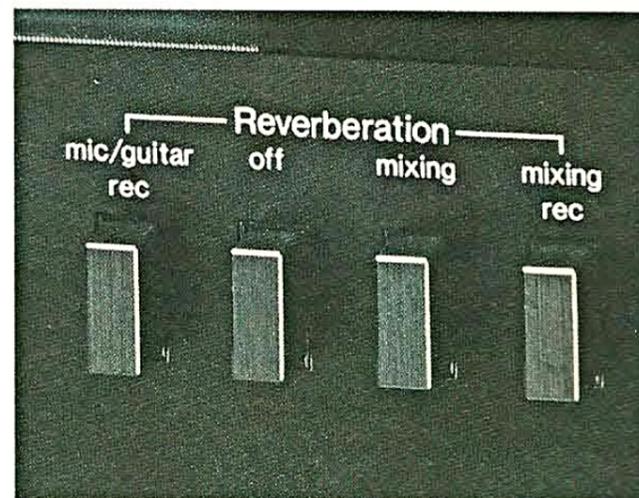
Noise and distortion? Not with the RA-900. We've built it with select parts and advanced circuitry. Of the double-pickup-type, the RA-900 boasts no more than 0.05% total harmonic distortion and better than 96dB signal-to-noise ratio. Designed for instant 19-inch rack mounting, it is sure to make your hi-fi sound more enjoyable, more true to the original performance. And remember it's from Sansui where it's *all* hi-fi.

Add reverb to any source you choose— guitar, for instance

Patch the RA-900 between your amp (or receiver) and deck(s), and you're ready to add reverberation to the source of your choice: a record, tape, radio broadcast, or even a microphone or guitar sound. With the TIME control, you adjust the



reverb time from zero to 3 seconds. There's another visual bonus with the RA-900: the attractive rainbow patterns change to indicate the intensity of reverberation as you adjust the reverb time.

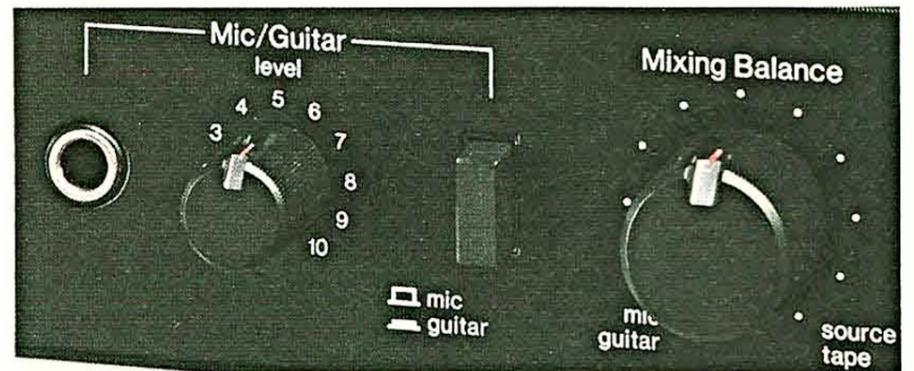


Pie-pickup type reverberation unit
 95dB S/N Ratio, Low 0.05% THD
 Stable reverberation time
 1.3 seconds
 In-mic guitar amplifier with
 Mixing balance



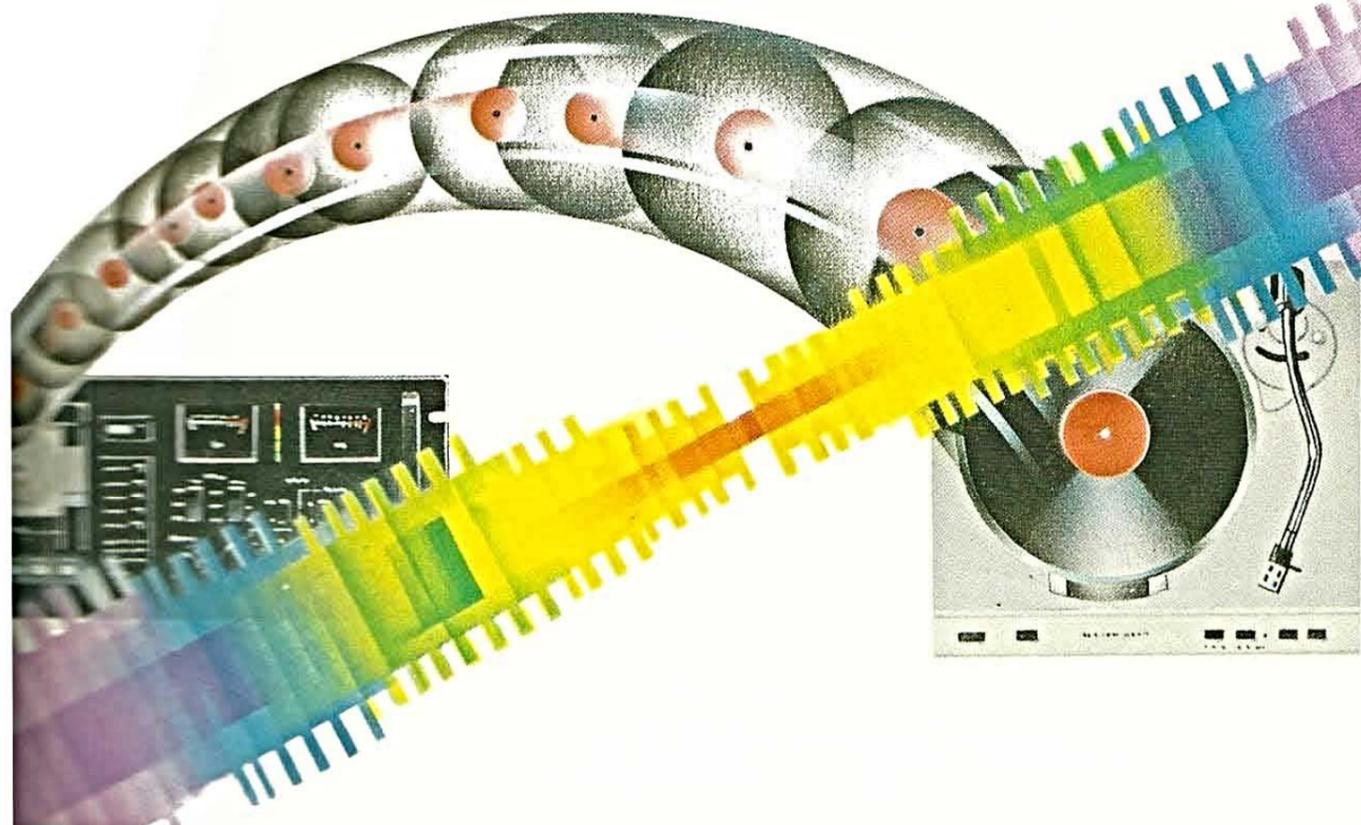
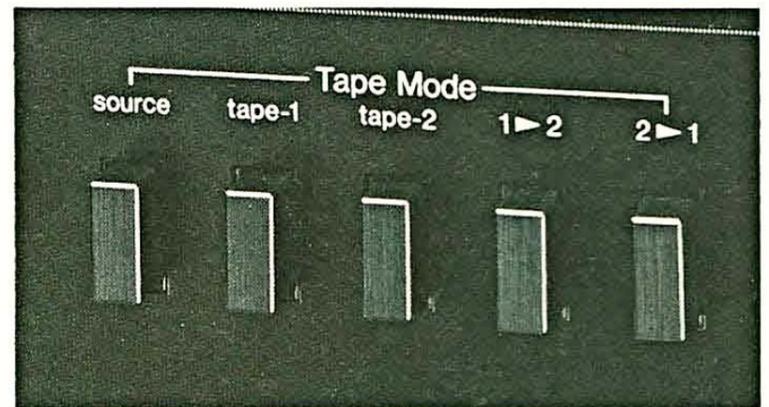
Mix and balance a source against mic/guitar input

With the RA-900 you can not only add reverb effects to a source of your choosing, you can also mix the selected program with microphone or guitar sound. Located on the front panel is a MIXING BALANCE control that lets you achieve a well-balanced mix. No other reverb amp gives you quite so much versatility nor is as fun-oriented. And with reverb added, your vocal or guitar never sounded so good.



Record your reverb-added mix on tapes

Anything that goes through the RA-900 can be recorded—with reverb added. You can create your own sound with the RA-900 and record it on tape, as the professionals do! The RA-900 accepts two decks. This means dubbing can be accomplished from one deck to another—vital to all serious recordists. (But adding reverb during dubbing is not possible.)



Sophisticated reverb amp highlights three Dual-ICs

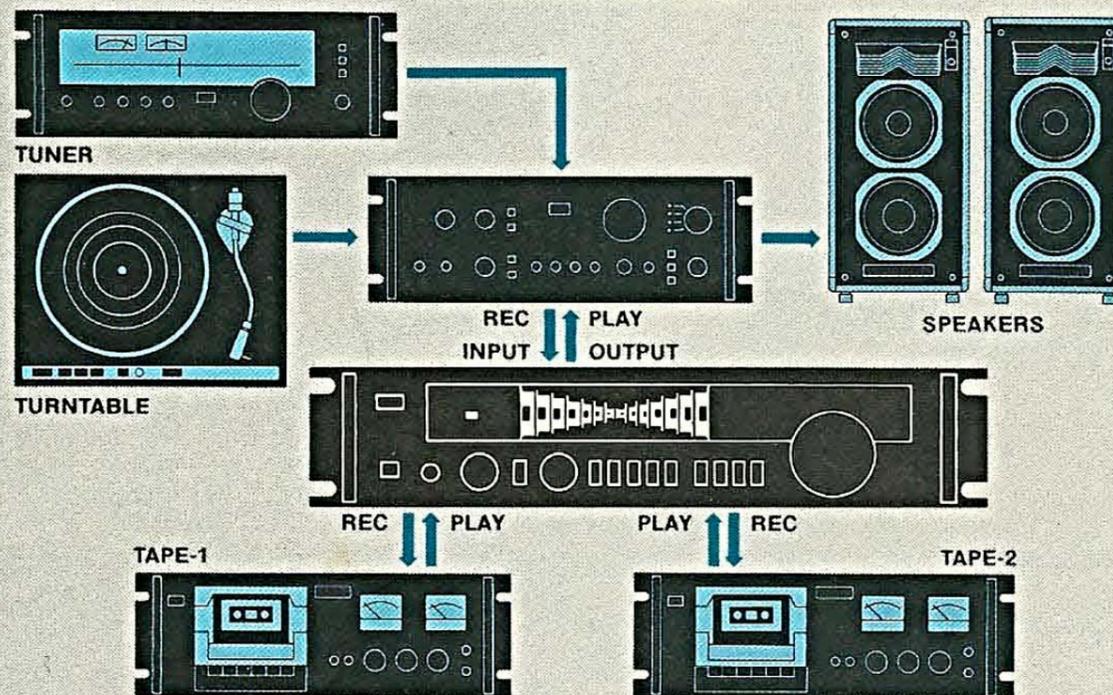
We've designed the circuitry of the RA-900 with extreme care so that noise and distortion are not part of the signals passing through it. A team of three low-noise, high-linearity Dual ICs, transistors and diodes affords low distortion (less than 0.05%) and high signal-to-noise ratio (better than 96dB).

Other Features

- Rack Mount Design—Adaptors provided for 19" EIA-standard rack mounting.
- Rainbow Display—Shows the intensity of reverb effect.



CONNECTION DIAGRAM



Specifications

TOTAL HARMONIC DISTORTION (at 2V)	less than 0.05% (20–20kHz, reverberation time minimum)
INPUT SENSITIVITY AND IMPEDANCE (at 1kHz)	
MIC	1mV/47k ohms
GUITAR	20mV/47k ohms
SOURCE	150mV/47k ohms
TAPE	150mV/47k ohms
RATED OUTPUT VOLTAGE (reverberation off) AND IMPEDANCE	
TAPE REC	150mV/600 ohms
OUTPUT	150mV/600 ohms (MAXIMUM OUTPUT 8V RMS at 0.05% THD)
FREQUENCY RESPONSE (at 1V, reverberation time minimum)	
SOURCE/TAPE	20 to 20,000Hz +0dB, -0.5dB
MIC/GUITAR	30 to 20,000Hz +0dB, -3.0dB
SIGNAL TO NOISE RATIO (at 1V, IHF A-network short-circuit)	
MIC	more than 68dB
GUITAR	more than 68dB
SOURCE	more than 96dB
REVERBERATION TIME (at 1kHz)	0 to 3 seconds
MAXIMUM INPUT CAPABILITY (at 1kHz 0.05% THD) (reverberation off)	
SOURCE	4V

GENERAL	
AC OUTLETS	unswitched total 250 watts
POWER REQUIREMENTS	
POWER VOLTAGE	100, 120, 220, 240V 50/60Hz
POWER CONSUMPTION	15 watts
SEMICONDUCTORS	8 Transistors; 6 Diodes; 3 ICs
DIMENSIONS	430mm (16 ⁵ / ₁₆ ")W 110mm (4 ³ / ₁₆ ")H 293mm (11 ⁵ / ₁₆ ")D
with Rack-mounting Adaptors	482mm (19")W 110mm (4 ³ / ₁₆ ")H 299mm (11 ⁷ / ₁₆ ")D
WEIGHT	4.6kg (10.1lbs.) Net
with Rack-mounting Adaptors	4.8kg (10.6lbs.) Net 5.9kg (13lbs.) Packed

Design and specifications subject to change without notice for improvements.

Sansui

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