

RECEIVED

NOV 21 1973

GROUP 290



SANSUI 210



SOLID STATE AM/FM MULTIPLEX STEREO RECEIVER Sansui thinks it's about time people got a little more personal about stereo. Because all too often, the family that listens together, pouts apart. So enter the all-new 34 watt 210 stereo receiver, a modestly priced yet very good unit ideal for a garage, attic or bedroom listening post, away from the intra-mural living room melees over who's going to listen to what. There are some very cogent—and personal—reasons why the 210 is the perfect tuner amplifier for your stereo hide-away. Such as its wide 30 to 25,000Hz power bandwidth and its ability to limit distortion to 1% or less

at rated output. Such as its high performance tuner, its excellent built-in ferrite bar antenna, easy-to-read large tuning meter and adjustable voltage requirement. Not to mention its advanced FET-equipped FM frontend. But besides being a very appropriate "second" receiver for those whose living room systems are increasingly monopolized, the 210 is also eminently suitable for the relative newcomer to stereo, or for the person who just doesn't need all the power and glory of a really big receiver. Whatever the case, the 210 is in every respect a quality component you'll be proud to own. Personally.

Sansui

HIGH-PERFORMANCE TUNER: The 210 incorporates a high-performance AM/FM stereo tuner featuring an extra wide dial and a linear scale for the FM band for easy, precise tuning.

FET FM FRONTEND: The FM frontend is able to offer exceptional sensitivity, a high signal-to-noise ratio and the capability of eliminating interference through the adoption of a high precision frequency-linear variable capacitor and a high-sensitivity, low-noise MOS FET.

EASY-TO-READ LARGE TUNING METER: A large tuning meter combines with an extra wide dial to facilitate extremely accurate tuning. The meter and the dial pointer both light up the moment the Function Selector on the front panel is turned to the AM or FM AUTO position, allowing quick, precise tuning even in the darkness. The dial pointer glides with exceptional smoothness thanks to the adoption of a very large fly-wheel.

WIDE DIAL, LINEAR FM SCALE: The use of the high precision frequency-linear variable capacitor has permitted Sansui engineers to equip the 210 with a linear scale for the FM band. The dial is of an extra long design and together with the linear scale, makes for sure, simple pinpoint tuning.

FM MULTIPLEX CIRCUIT: The FM multiplex circuit, adopting the most stable and reliable switching matrix available, offers channel separation in excess of 30dB at 1,000Hz while keeping distortion below 1%.

FM STEREO-MONO SWITCHING: With the front-panel Function Selector set to FM AUTO, an electronic switch automatically turns the unit from mono to stereo reception the moment the broadcast signal changes, so you never miss those beautiful stereo programs. And of course, when this happens, a Stereo Indicator comes aglow. (In fringe FM reception areas, however, the unit automatically reverts to monophonic reception when a sub-par stereo signal comes in, so you are saved from listening to noise-filled stereo reception.)

ALL SILICON TRANSISTORS: Silicon transistors are used exclusively throughout the 210's entire circuitry from its tuner section to its amplifier section. They permit the unit to offer excellent signal-to-noise, distortion and dynamic range characteristics for the reproduction of superior tonal quality.

SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT

MUSIC POWER (IHF)	34W at 4Ω load 22W at 8Ω load
CONTINUOUS POWER	11/11W at 4Ω load 10/10W at 8Ω load

TOTAL HARMONIC DISTORTION

	less than 1% at rated output 30 to 25,000Hz
--	--

POWER BANDWIDTH (IHF)

30 to 25,000Hz

FREQUENCY RESPONSE

(at normal listening level)

AUX (over all) 25 to 30,000Hz ± 2 dB

CHANNEL SEPARATION

(at rated output, 1,000Hz)

PHONO better than 40dB

AUX better than 45dB

HUM AND NOISE (IHF)

PHONO better than 65dB

AUX better than 70dB

INPUT SENSITIVITY

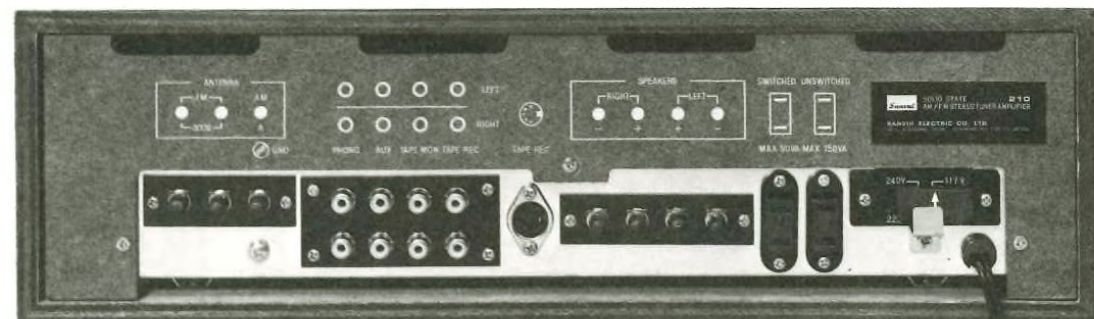
(at rated output, 1,000Hz)

PHONO 3mV (50kΩ)

AUX 180mV (50kΩ)

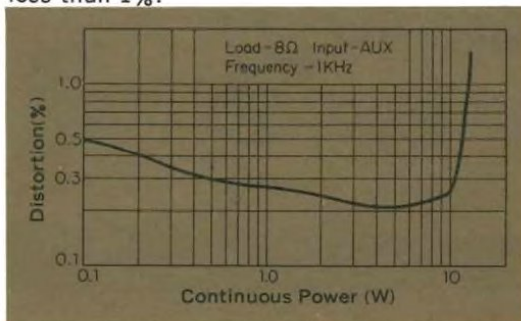
TAPE MON (pin) 180mV (30kΩ)

TAPE RECORDER (DIN) 180mV (30kΩ)



EXCELLENT POWER TRANSFORMER: The power transformer in the 210, like that in any Sansui tuner amplifier, takes full advantage of Sansui's long experience and superior know-how in transformer construction. It is characterized by excellent regulation and a very wide dynamic range, not to mention low distortion. **SUPERIOR HEAD AMPLIFIER:** The head amplifier makes use of specially selected low-noise silicon transistors to realize low distortion, an exceptional signal-to-noise ratio and wide, wide dynamic range, which means fine-grained, high-linearity sound.

BIG-OUTPUT, LOW-DISTORTION POWER AMPLIFIER: The power amplifier section of the 210 adopts a SEPP OTL circuit design, which affords a music power output of 34 watts at 4 ohms or continuous power of 10 watts to 8 ohms each channel. Its other performance characteristics are also excellent, as exemplified by a power bandwidth of 30 to 25,000Hz and distortion of less than 1%.



DOUBLE POWER TRANSISTOR PROTECTION: Not only does the 210 employ power transistors of rugged construction able to withstand severe operating conditions, but the circuit design of its power amplifier section is such that they are well protected. And a second safeguard involves the use of special quick-acting fuses to

protect the transistors under any possible abnormal conditions.

BUILT-IN FERRITE BAR ANTENNA: A highly sensitive ferrite bar antenna that pulls in AM broadcasts with exceptional clarity without the need for an external antenna is built in to the 210. It is also complete with connection terminals for an external antenna for use where broadcasting stations are very remote.

DRAMATIC BLACKOUT DIAL: The tuner dial is black and hardly visible until you turn on power. The moment power is switched on, the dial appears in beautiful green, with the self-lighting dial pointer glowing orange for easier tuning.

BEAUTIFUL METALLIC PANEL: The front panel of the 210 is a silver gold, aluminum extrusion panel. Its beauty is enhanced by the contrasting expensive wooden cabinetry surrounding it. The look of quality is evident any way you look at it.

ADJUSTABLE VOLTAGE REGULATOR: To permit the use of the 210 anywhere in the world, it is provided with a Voltage Selector plug which permits selecting 100V, 117V, 220V or 240V AC with absolute ease.

FULL SYSTEM OF ACCESSORY CIRCUITS:

- 1) Loudness control to compensate for the apparent loss of bass and treble at low listening levels.
- 2) DIN connector socket to simplify the connection of a tape deck.
- 3) Direct tape monitor circuit to permit monitoring sound as it is recorded.
- 4) Headphone jack for private listening at full volume.
- 5) Two AC outlets, one controlled by the front-panel Power Switch.
- 6) Ground terminal to ground any noise picked up at various points of the unit.

RECORDING OUTPUT

(at rated output, 1,000Hz)

TAPE REC (pin) 180mV

TAPE RECORDER (DIN) 30mV

LOAD IMPEDANCE 4 to 16Ω

EQUALIZER: PHONO RIAA NF type

DAMPING FACTOR 30 at 8Ω load

TONE CONTROLS

BASS +12dB -15dB at 50Hz

TREBLE +10dB -12dB at 10,000Hz

LOUDNESS CONTROL +8dB at 50Hz +3dB

(Volume Control at -30dB)

SWITCHES

TAPE MONITOR

SELECTOR SOURCE, PLAY BACK

PHONO, FM AUTO,

AM, AUX

TUNER SECTION

FM:

TUNING RANGE 88 to 108MHz

(20dB quieting) 3μV

SENSITIVITY (IHF) 5.5μV

TOTAL HARMONIC DISTORTION less than 1%

SIGNAL TO NOISE RATIO

better than 50dB

SELECTIVITY better than 35dB at 98MHz

IMAGE FREQUENCY REJECTION better than 45dB

at 98MHz

SPURIOUS RADIATION less than 34dB

FM STEREO SEPARATION better than 30dB at 1,000Hz

ANTENNA INPUT IMPEDANCE 300Ω balanced

AM:

TUNING RANGE 535 to 1,605KHz

SENSITIVITY 370μV (bar antenna)

IMAGE FREQUENCY REJECTION better than 50dB

SELECTIVITY better than 25dB

OTHER SPECIAL FEATURE AM Ferrite Bar Antenna

transistors 30; FET 1;

SEMICONDUCTORS Diodes 20;

POWER REQUIREMENTS

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

POWER CONSUMPTION 80VA (max. signal)

DIMENSIONS 435mm(17 1/4")W x 127mm(5")H

x 282mm(11 1/8")D

WEIGHT 6.1kg (13.5 lbs.)

Design and specifications subject to change without notice for improvements.



Orgin archive.org