

G2000

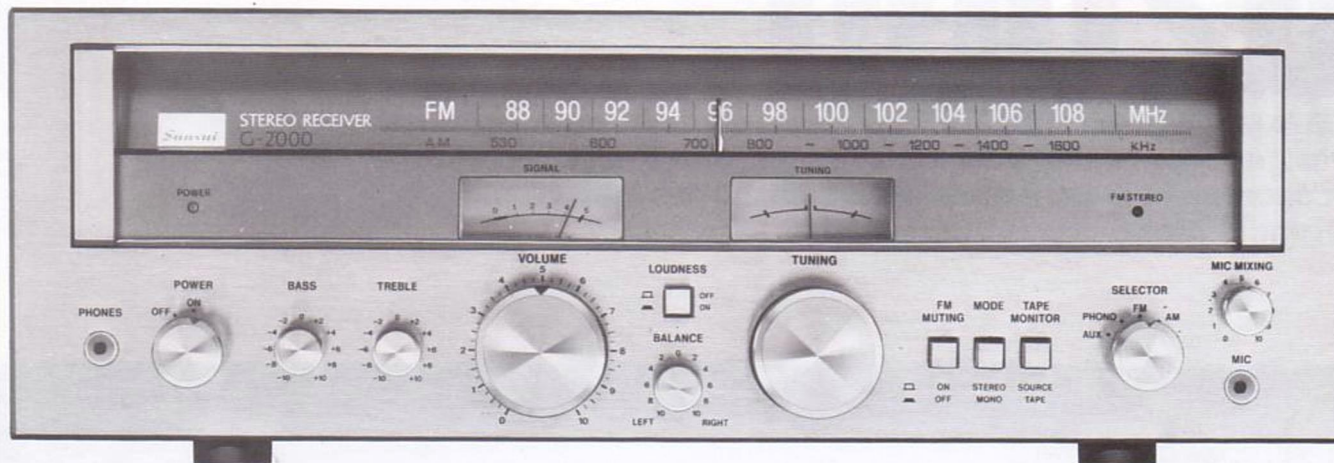
FM/AM STEREO RECEIVER

Designed for Highly Functional Operation • Priced for Economy • Feature-Packed with Twin Tuning Meters, Mic Mixing & More



Sansui

G-2000



Like the slightly larger G-3000, the Sansui G-2000 features high value and wide versatility with Mic Mixing and Twin Tuning Meters. Distinctive, symmetrical design adds to user appeal and convenience. The price/power ratio is extended with the delivery of 16 watts per channel, min. RMS, both channels driven, into 8 ohms, from 20 to 20kHz, with no more than 0.15% total harmonic distortion. High fidelity, highly musical performance is no longer out of reach for the budget-minded shopper.

Faithful Phono Equalization

As in the G-3000, this still more attractively-priced receiver has an NF negative feedback type 2-stage Darlington connected phono equalizer with a PNP transistor input. Signal-to-noise ratio is much improved, and RIAA equalization is an excellent $\pm 0.5\text{dB}$ from 30 to 15kHz. Low-noise performance is also assured in the

"flat" amp of the tone control circuit because of a similar NF design.

True Complementary OCL for Stability

The G-2000 delivers a modest 16 watts per channel, min. RMS, both channels driven, into 8 ohms, from 20 to 20kHz, with no more than 0.15% total harmonic distortion. Wall-to-wall sound in the average listening room without strain is the result. The power circuit highlights an input differential amp with dual PNP transistors and a true complementary OCL power output circuit for high stability and satisfying musical performance.

FM Circuitry Cleans Up Distortion

The FM frontend uses an RF amp formed of one FET and two transistors to effectively reject unwanted interference for clean tuning. The FM IF section is likewise elaborate with its transistor, its 2-stage ceramic filters (total 4 elements) and its IC which is

equivalent to 3 differential amps. This high-technology circuitry fights distortion and crossmodulation effectively for better musical results.

High Fidelity FM Stereo Performance

Sansui is hi-fi all the way, and so is the G-2000. We use a Sansui-exclusive PLL-DDC (Phase-Locked Loop/Differential Demodulator Circuit) in the multiplex demodulator to reduce harmonic distortion and minimize crosstalk. A low-pass filter is included to suppress carrier leakage to protect tonal quality. A Quadrature Detector further reduces distortion for high fidelity FM stereo listening.

Other Value/Versatility Features

- Mic Mixing Facility with Level Control
- Twin Tuning Meters for Signal Strength and Center-Tune
- Loudness Switch • High quality AM section • Tape Monitor • FM Muting and other conveniences.

SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT

Min. RMS, both channels driven, from 20 to 20kHz, with no more than 0.15% total harmonic distortion

16 watts per channel into 8 ohms

INTERMODULATION DISTORTION

OVERALL (from AUX)

less than 0.15% at or below rated min. RMS power output

DAMPING FACTOR

(1kHz, both channels driven)

30 into 8 ohms

FREQUENCY RESPONSE (at 1 watt)

OVERALL (from AUX)

10 to 50kHz $+1\text{dB}$, -2dB

RIAA CURVE DEVIATION (30 to 15kHz)

PHONO $+0.5\text{dB}$, -0.5dB

HUM AND NOISE (IHF)

PHONO better than 75dB

MAXIMUM INPUT CAPABILITY

(at 1kHz, 0.5% T.H.D.)

PHONO 190mV RMS

CONTROLS

BASS, TREBLE, LOUDNESS

FM SECTION

USABLE SENSITIVITY

MONO 11.0 dBf (1.95 μV IHF T-100)

TOTAL HARMONIC DISTORTION

MONO less than 0.18%

STEREO less than 0.25%

SIGNAL-TO-NOISE RATIO

MONO 70dB

SELECTIVITY

50dB

CAPTURE RATIO

1.5dB

IMAGE RESPONSE RATIO

45dB at 98MHz

STEREO SEPARATION

40dB at 1kHz

FREQUENCY RESPONSE

MONO 30 to 15kHz $+0.5\text{dB}$, -2dB

AM SECTION

USABLE SENSITIVITY (BAR ANTENNA)

50dB/m

SELECTIVITY

30dB

IMAGE RESPONSE RATIO

35dB

GENERAL

DIMENSIONS

433mm (17 $\frac{1}{8}$ " W)
153mm (6 $\frac{1}{8}$ " H)
354mm (13 $\frac{1}{8}$ " D)

WEIGHT

7.3kg (16.1 lbs.)

FINISH

Simulated walnut grain

- Power specifications measured pursuant to U.S. Federal Trade Commission trade regulation on power output claims for amplifiers.
- Design and specifications subject to change without notice for improvements.

Printed in Japan