

SANSUI
100W
MODEL

2000



AM/FM MULTIPLEX STEREO TUNER AMPLIFIER Anyway you look at it, the all-new compact solid state receiver, Model 2000, brings stereo reproduction to new and exciting levels of quality and performance. Look at it in figures: 100 watts of power output, bandwidth from 20 to 40,000 Hz, distortion factor less than 0.8%, damping factor of 24, and channel separation better than 50 dB. Look at it in engineering innovation: Dozens of the latest circuits, including a Field Effect Transistor (FET) 4-gang capacitor front-end for unexcelled sensitivity, cross modulation rejection and image capture ratio. Look at it in design: A new and striking black front face, as practical as it is attractive with each function the model performs illuminated whenever the tuner is in operation. Anyway you look at it, Model 2000 stands far above ordinary solid state stereo receivers and reflects Sansui's uncompromising search for the ultimate in sound reproduction.

SANSUI

COMPACT SIZE AND HIGH PERFORMANCE: Precision-made and compact, Model 2000 will satisfy even the most demanding audiophile within a limited space. It is the first really compact receiver of Sansui quality with a 100 watts music power capability and sheer fringe area sensitivity (usable sensitivity, 1.8 microvolts).

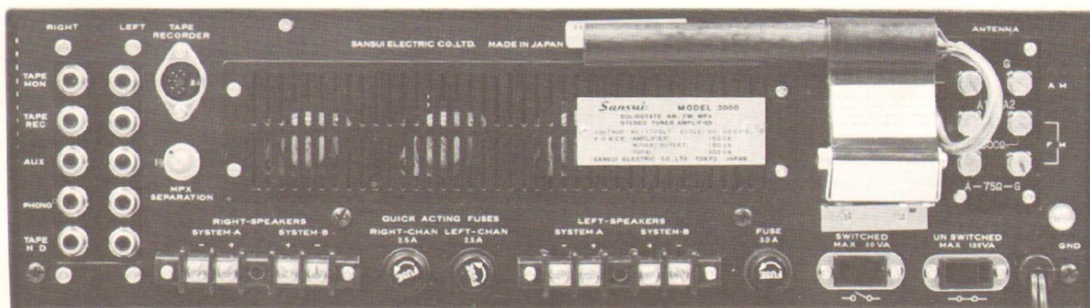
GREATER FM SENSITIVITY: Through the use of an all-new FET 4-gang variable capacitor frontend, 5 IF stages and 4 limiters, Model 2000 offers top FM sensitivity ($1.4 \mu V \pm 3 \text{ dB}$, 20dB quieting) selectivity (better than 50 dB at 98 MHz), cross modulation rejection and capture ratio (2.5 dB or less). In addition, a 3-stage AGC maintains proper selectivity under the strongest signal conditions.

ALL-SILICON FM, MPX AND AUDIO CIRCUITS: Noiseless silicon epitaxial transistors have been used to increase the signal to noise ratio (better than 75 dB even at the lowest level of volume) and to increase power for a wider dynamic range, as well as to provide better heat resistance characteristics. Power transistors are protected from overloads and short circuits by Sansui's exclusive double protection transistor Protector Circuit which functions in micro-seconds. In addition, thick aluminum extruded heat sinks keep the power transistors running cool under all operating conditions.

BUILT-IN HIGH-SENSITIVITY FERRITE ANTENNA: Model 2000's AM tuner section, with a 3-gang variable capacitor and RF 1 stage, provides $15 \mu V$ sensitivity, 20 dB selectivity and 50 dB image rejection. A built-in movable ferrite antenna, local-distant switch and outdoor-antenna terminal offer flawless reception of more AM programs.

FINEST AUDIO CHARACTERISTICS: Use of a complementary Darlington SEPP-ITL-OTL circuit with the power transistors enables a full 100 watts in music power and 36 watts per channel in continuous power, with a bandwidth from 20 to 40,000 Hz, a distortion factor of 0.8% or less, and a damping factor of 24.

AUTOMATIC STEREO SWITCHING: With the Function Switch in the FM STEREO position, Model 2000 picks up stereo programs automatically whenever they are broadcast and shows



a high stereo separation figure of better than 35 dB. Upon reception of the stereo signal, a stereo indicator lamp lights up simultaneously.

POWER TRANSFORMER: The 2000's brilliant performance, begins deep within the receiver—in the power transformer itself—where Sansui's intimate knowledge and long experience in building transformers is reflected in a design featuring a copper short ring within and a hum-proof band on the outside.

TWO-SYSTEM SPEAKER SELECTOR: Both speaker selector and output terminals are provided for using one or two speaker systems individually or simultaneously.

FRICION-COUPLED TONE CONTROLS: These allow complete control of treble and bass on the right and left channels simultaneously or independently. Their maximum rise or fall from the flat is +13 dB to -15 dB at 50 Hz and +13 dB to -13 dB at 10 KHz.

ATTRACTIVE, FUNCTIONAL DESIGN: With a striking black tuning dial face, Model 2000 is one of the most attractively styled receivers ever produced by Sansui. Whatever function the receiver is set to perform is readily seen through this black face. For instance, if it is set to receive a broadcast, the entire tuning dial is illuminated along with the proper function such as AM Mono, FM Mono or FM Stereo indicated. If functions such as Tape, Phono or Aux are selected, the face remains black with only the function visible.

Overall, Model 2000 has a rich two-tone appearance, black on the upper half and brushed silver-gold on the lower half. Also new, is an attractively styled row of push buttons perform-

ing Reverse, Loudness, Muting, Tape Monitor and Mono functions.

MORE CONVENIENT FEATURES: Scores of new features have been incorporated into the 2000 for easier, safer and more convenient installation as well as day-to-day handling ease. Collectively, they offer a great incentive for owning the 2000 over and above its performance and styling.

Two AC Outlets: Allow other stereo components to work off the same outlet as the Model 2000. **Terminals:** Function terminals such as Phono, Aux, Tape, etc., have been grouped vertically for easier access and to reduce the chance of wires accidentally touching. Other terminals that, of necessity, are placed horizontally, are individually recessed for the same reasons. In addition, a ground terminal has been provided which, if properly used, allows a better S/N ratio to be obtained.

FM Input Antenna Terminal: New with Model 2000, both 75Ω and 300Ω antennas can be used. Ideal for apartment buildings or other places where several users usually work off the same 300Ω antenna.

MPX Separation Adjustor: Located on rear panel for quick and convenient access.

Fuses: Both of the quick-acting fuses for the power transistors screw in from the outside of the rear panel and can be replaced in seconds.

OTHER FEATURES: Direct Tape Monitor, DIN Connector, Headphone Jack, AM Local-Distant Switch, AM Ferrite Bar Antenna, High-and Low-Cut Filters, Mode Switch and Selector Switch, Meter Tuning, Heavy Fly-wheel Tuning, FM SCA Filter.

SPECIFICATIONS

POWER OUTPUT:

MUSIC POWER (IHF): 100W $\pm 1 \text{ dB}$ at 4 ohms
85W $\pm 1 \text{ dB}$ at 8 ohms

CONTINUOUS POWER (EACH CHAN):

36W/36W $\pm 1 \text{ dB}$ at 4 ohms
32W/32W $\pm 1 \text{ dB}$ at 8 ohms

HARMONIC DISTORTION less than 0.8% at rated output

POWER BANDWIDTH (IHF): from 20 to 40,000 Hz at 8 ohms

FREQUENCY RESPONSE (AT NORMAL LISTENING LEVEL):

POWER AMPLIFIER SECTION: from 15 to 40,000 Hz $\pm 1.5 \text{ dB}$

AUX: from 20 to 30,000 Hz $\pm 1.5 \text{ dB}$

INPUT SENSITIVITY (FOR RATED OUTPUT):

PHONO: 2.2 mV $\pm 3 \text{ dB}$

TAPE HEAD: 2.0 mV $\pm 3 \text{ dB}$

AUX: 150 mV $\pm 3 \text{ dB}$

TAPE MONITOR (Pin): 150 mV $\pm 3 \text{ dB}$

TAPE MONITOR (DIN): 150 mV $\pm 3 \text{ dB}$

RECORDING OUTPUT:

REC OUT (Pin): 150 mV $\pm 3 \text{ dB}$

REC OUT (DIN): 38 mV $\pm 3 \text{ dB}$

HUM AND NOISE (IHF):

PHONO: better than 70 dB

AUX: better than 75 dB

CHANNEL SEPARATION (AT RATED OUTPUT):

PHONO: better than 45 dB

AUX: better than 50 dB

OUTPUT IMPEDANCE:

from 4 to 16 ohms

DAMPING FACTOR: 24 at 8 ohms

EQUALIZER:

PHONO: RIAA, NF type

TAPE HEAD: NAB, NF type

CONTROLS AND SWITCHES:

BASS CONTROL: from +13 dB to -15 dB at 50 Hz

TREBLE CONTROL: from +13 dB to -13 dB at 10,000 Hz

LOUDNESS CONTROL: +8 dB at 50 Hz, +3 dB at 10,000 Hz (Volume control at -30 dB)

LOW FILTER: -10 dB at 50 Hz

HIGH FILTER: -10 dB at 10,000 Hz

MODE SWITCH: STEREO NORM, STEREO REV, MONO L, MONO R

SELECTOR SWITCH: 1, TAPE HEAD 2, PHONO

3, AM 4, FM 5, FM AUTO

6, AUX

SPEAKER SWITCH: 1, A-SYSTEM 2, B-SYSTEM

3, A+B SYSTEM 4, OFF

TUNER SECTION:

FM:

FREQUENCY RANGE: from 88 to 108 MHz

SENSITIVITY: $1.4 \mu V \pm 3 \text{ dB}$ (20 dB quieting)

$1.8 \mu V \pm 3 \text{ dB}$ (IHF)

HARMONIC DISTORTION: less than 0.8%

SIGNAL TO NOISE RATIO: better than 65 dB

SELECTIVITY: better than 50 dB at 98 MHz

CAPTURE RATIO: 2.5 dB (IHF)

IMAGE FREQUENCY REJECTION: better than 80 dB

at 98 MHz

IF FREQUENCY REJECTION: better than 95 dB at 98 MHz

FM STEREO SEPARATION: better than 35 dB

SPURIOUS RESPONSE REJECTION: better than 90 dB at 98 MHz

SPURIOUS RADIATION: less than 34 dB

AM:

FREQUENCY RANGE: from 535 to 1,605 KHz

SENSITIVITY (IHF): $15 \mu V \pm 3 \text{ dB}$ at 1 MHz

IMAGE FREQUENCY REJECTION: better than 50 dB

at 1 MHz

IF FREQUENCY REJECTION: better than 100 dB at 1 MHz

SELECTIVITY: better than 20 dB at 1 MHz

TRANSISTORS AND DIODES:

TRANSISTOR AND FET: 50

DIODE: 35

THERMISTOR: 1

SCR: 1

POWER REQUIREMENTS:

POWER VOLTAGE: 100, 117, 220, 240 Volts,

50 or 60 Hz

POWER CONSUMPTION: 60VA (zero signal)

150VA (max. signal)

DIMENSIONS (excluding knobs, stands and bar antenna)

WIDTH: 16 1/8"

HEIGHT: 4 3/4"

DEPTH: 13 1/4"

WEIGHT: 26 1/2 lbs.

Sansui



2000

Mittelwellen/UKW-
Multiplex-Empfänger/Verstärker
100 Watt "Solid State"

Der erste SANSUI-Qualitäts-Kompakt-Empfänger mit einer Volleistung von 100 Watt Musikleistung und abgegrenzter Bereichs-Empfindlichkeit. Der UKW-Empfang wurde durch den Einbau des neuen FET-Kreises erheblich verbessert. Der Empfänger hat 5 IF-Stufen und 4 Begrenzungsstufen. Weitere besondere Merkmale sind ein 3 Stufen AGC für unübertreffliche Trennschärfe bei hohen Toneinfall, 75 Ohm und 300 Ohm Antenneneingang, 2 AC-Ausgänge sowie Wahlschalter für 2 Lautsprechersätze. Druckschalter für Mono-Betrieb, Stereo-Umkehrschalter, Lautstärkebegrenzung, Tonausgleich und Tonband-Monitor-Schalter. Alle Funktionen sind unter der dunklen Frontscheibe durch Kontroll-Leuchten sichtbar. Verzerrung: weniger als 0.8% in allen Hörbereichen.

TECHNISCHE DATEN:

Verstärkerteil

Musikleistung (IHF): 100 Watt ± 1 db bei 4 Ω ,
Dauerleistung: 36/36 Watt ± 1 db bei 4 Ω
Verzerrungswert: weniger als 0.8% im Verhältnis zur

Ausgangsleistung
Frequenzbereich (IHF): 20—40,000 Hz bei 8 Ω
Eingänge:
Phono: 2.2 mV
Tonband: 2.0 mV
Zusatzgeräte: 150 mV
Tonband-Monitor (Einzelbuchsen): 150 mV
Tonband-Monitor (DIN): 150 mV
Geräuschwerte (IHF):
Phono: 70db
Zusatzgeräte: 75db
Dämpfungsfaktor: 24 bei 8 Ω
UKW-Empfängerteil
Bandbreite: 88—108 MHz
Empfindlichkeit: 1.4 μ V ± 3 db (20db Unterdrückung)
1.8 μ V ± 3 db (IHF)
Trennschärfe: größer als 50db bei 98 KHz
Trennengenauigkeit: 2.5db (IHF)
UKW-Stereo-Trennung: größer als 35db
Mittelwellen-Empfängerteil
Bandbreite: 535—1,605 KHz
Empfindlichkeit (IHF): 15 μ V ± 3 db
Transistoren und FET: 50
Dioden: 35
Thermistor: 1
SCR: 1
Netzspannungen: 100/117/220/240V, 50 oder 60 Hz
Leistungsaufnahme: stumm 60 Va; 150 VA max.
Abmessungen: Breite 414 mm Höhe 127 mm
Tiefe 338 mm
Gewicht: ca. 12 kg

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Archiv Michael Otto