

WIDE BAND RECEPTION: The Sansui 300L is an advanced wide-band receiver capable of receiving no fewer than four bands: FM, MW, LW and SW. All bands are conveniently selected by a single selector knob.

FET FRONTEND: The use of an advanced FET in the RF stage of the FM frontend ensures good performance at either very small signal amplitudes or excessively large ones. For added stability, silicon transistors are used in both oscillator and mixing circuits.

HIGH FM STABILITY AND SELECTIVITY: The 300L employs a 5-stage FM IF amplifier featuring silicon transistors with a superior saturation characteristic. It takes advantage of their self-limiting action for high stability.

TOP MW/LW/SW STABILITY: The IF amplifier used for the MW, LW and SW bands incorporates a ceramic filter for unsurpassed selectivity.

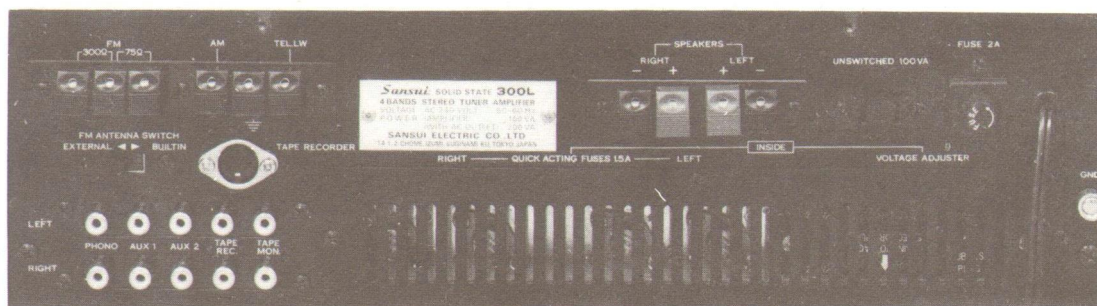
SPECIAL TUNING MECHANISM: The 300L is equipped with a fine tuning mechanism that enables precision tuning even on the SW band which has a relatively narrow frequency range.

FLYWHEEL TUNING: The receiver's tuning dial is outfitted with a heavy flywheel so that movement is exceptionally smooth.

ALL-SILICON PREAMPLIFIER: This is a direct-coupled 2-stage amplifier that incorporates select low-noise silicon transistors which possess a high gain and low noise characteristic.

SEPP OTL CIRCUITRY: The power amplifier is equipped with a semi-complementary SEPP OTL output circuit with power transistors that feature ample reserve power over and above the rated power output. This section offers stable performance, high output and low distortion.

HEADPHONE JACK: When a headphone jack is inserted into the HEADPHONES iack on the



front panel, any speakers in use at the moment are automatically cut off to facilitate private listening.

STABLE TUNER POWER SUPPLY: A regulated power supply is used to supply power to the tuner section to ensure stable reception even if the power supply voltage should fluctuate.

OPERATES ON 8 VOLTAGES: A convenient, plug-in type voltage adjustor on the rear panel allows the operator to select any of these eight voltages: 100, 110, 117, 127, 220, 230, 240 and 250 volts.

ONE-TOUCH OUTPUT TERMINALS: Both antenna and speaker output terminals are of the easy-to-use, one-touch pushbutton type. They make accidental short-circuiting a thing of the past.

FM LINEAR DIAL SCALE: FM tuning is easier and more accurate than ever with the 300L. It features a wider, linear dial scale for more precise tuning.

BUILT-IN FM ANTENNA: For more sensitive FM reception, the 300L has a built-in FM antenna and a switch that permits the operator to select between it or an external FM antenna

which is connected to either 300 or 75 ohm FM antenna terminals on the rear panel.

FERRITE BAR ANTENNA: Located on the receiver's rear panel, this sensitive antenna pulls in most MW and LW stations with amazing clarity. For distant MW and LW stations, and all SW stations, an external antenna is necessary.

AUTOMATIC STEREO SWITCHING: The 300L offers completely automatic switching from FM stereo to mono, or mono to stereo by an advanced FM auto circuit. It also senses the intensity of stereo signals and reverts to mono if the reception is too weak for enjoyable stereo listening. Upon reception of the stereo signal, a stereo indicator lamp also lights up automatically.

FULL CIRCUIT COMPLEMENT: The 300L incorporates a full complement of accessory circuits for complete control. These include Loudness, DIN connector, Tape Monitor, Headphone jack and a GND terminal.

BEAUTIFUL WOODEN CABINET: The 300L comes complete with a luxurious wooden cabinet, usually an expensive option with most receivers.

SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT:

MUSIC POWER (IHF) 36W (at 4Ω load)
32W (at 8Ω load)

CONTINUOUS POWER (each channel)

16/16W (at 4Ω load)
14/14W (at 8Ω load)

TOTAL HARMONIC DISTORTION:

less than 1% at rated output

POWER BANDWIDTH (IHF): 30-25,000Hz

FREQUENCY RESPONSE (at normal listening level):

AUX OVERALL 25-30,000Hz ± 2 dB

CHANNEL SEPARATION (at 1,000Hz rated output):

PHONO better than 40dB
AUX 1, 2 better than 45dB

HUM AND NOISE (IHF):

PHONO better than 65dB
AUX 1, 2 better than 70dB

INPUT SENSITIVITY (at 1,000Hz rated output):

PHONO 3mV (50kΩ)
AUX 1, 2 180mV (100kΩ)
TAPE MON (pin) 180mV (100kΩ)
TAPE RECORDER (DIN) 180mV (100kΩ)

RECORDING OUTPUT:

TAPE REC (pin) 180mV
TAPE RECORDER (DIN) 30mV

LOAD IMPEDANCE:

4-16Ω

DAMPING FACTOR:

20 (at 8Ω load)

EQUALIZER:

PHONO IIAA, NF type

TONE CONTROLS:

BASS ± 10 dB at 50Hz
TREBLE ± 10 dB at 10,000Hz

LOUDNESS CONTROL: +11dB at 50Hz, +3dB at 10,000Hz (Volume Control at -30dB)

SWITCHES:

SELECTOR PHONO, FM AUTO, AM, AUX 1, AUX 2
AM BAND LW, MW, SW
TAPE MONITOR OFF, ON
MODE STEREO, MONO
NOISE FILTER OFF, ON

OTHER SPECIAL FEATURES:

DIN Connector for Tape Recorder, Direct Tape Monitor, Headphone Jack, Noise Filter, 2-AUX Input Jacks

TUNER SECTION

FM:
TUNING RANGE 88-104MHz

SENSITIVITY (20dB quieting) 2.5μV (IHF)
3μV

HARMONIC DISTORTION less than 1%

SIGNAL TO NOISE RATIO better than 50dB

SELECTIVITY better than 35dB at 98MHz

CAPTURE RATIO (IHF) 3dB

IMAGE FREQUENCY REJECTION

better than 45dB at 98MHz

IF REJECTION better than 60dB at 98MHz

SPURIOUS RESPONSE REJECTION

better than 60dB at 98MHz

SPURIOUS RADIATION less than 34dB

ANTENNA INPUT IMPEDANCE

300Ω balanced and 75Ω unbalanced

FM STEREO SEPARATION

better than 30dB

AM:

TUNING RANGE LW 150-390kHz
MW 535-1,605kHz
SW 4-12MHz

SENSITIVITY LW 50μV at 350kHz
MW 30μV at 1,000kHz
SW 50μV at 7.2MHz

IMAGE REJECTION

LW better than 45dB at 350kHz
MW better than 55dB at 1,000kHz
SW better than 45dB at 7.2MHz

IF REJECTION

SELECTIVITY better than 45dB

better than 20dB

OTHER SPECIAL FEATURES

FM Linear Scale Dial, Built-in/External FM Antenna Switch, Signal Strength Meter, Flywheel Tuning, FM Stereo Auto, FM SCA Filter, Ferrite Bar Antenna for LW and MW, Fine Tuning Knob for All Bands

TRANSISTOR AND DIODES:

Transistors-36; FET-1; Varistors-2; Thermistor-1; Diodes-18; Zener Diode-1;

POWER REQUIREMENTS:

Power Voltage 100, 110, 117, 127, 220, 230, 240, 250V 50/60Hz
Power Consumption 15VA (Zero Signal), 100VA (Max. Signal)

DIMENSIONS:

15 $\frac{1}{8}$ "W x 4 $\frac{3}{8}$ "H x 11 $\frac{1}{8}$ "D

WEIGHT:

21 lbs.

SANSUI 300L



SOLID STATE 4-BAND AM/FM MULTIPLEX STEREO TUNER AMPLIFIER Few receivers in any power and price range define the highest levels of dedicated audio engineering better than the 36 watt Sansui 300L. From all band reception, including MW, LW, SW, and FM 'stereo, to such refinements as one-touch terminals and functional black window styling, it is one of the most versatile and complete receivers ever made. This completeness is most apparent in performance figures like its 30 to 25,000Hz power bandwidth and less than 1% distortion factor. It's

apparent in FM sensitivity too, where a figure of $2.5\mu\text{V}$ is made possible through utilizing the latest FET frontend. And, in such other refinements as fine-tuning for all bands, built-in antennas for MW, LW and FM bands, linear dial scale for the FM band and a plug-in voltage adjuster that allows the 300L to operate on no fewer than eight different power supply voltages. We invite you to compare the 300L feature-for-feature with any comparably sized and priced receiver on the market. We think you'll find that this is the one you've been waiting for.

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