

SANSUI FR3080

ELECTRONIC AUTOMATIC 4-CHANNEL/2-CHANNEL TURNTABLE



Sansui has earned its reputation as an audio-only leader. And the FR-3080 electronic automatic turntable is a fine example of why. It's designed for 4-channel and 2-channel flexibility, and it lives up in every measure to the proud Sansui tradition, even though it's priced at a level all can afford.

Electronic operation means fully automatic convenience with no stress

on the delicate cartridge or tonearm. Automatic lead-in, return, and repeat operations are wholly independent of tracking and platter-drive systems during play, thus the FR-3080 delivers top manual performance, too.

The true-tracking Sansui S-shaped tonearm features an advanced Dual-Magnet* cartridge (SV-40X) with Shibata** stylus for the finest in QS, SQ or CD-4

4-channel and 2-channel performance. And the isolated belt-drive motor, precision-finished capstan and howl-free cabinet add still more to beautifully clear response. From the audio-only specialists, Sansui, where it's *all* hi-fi.

*Trademark of Audio-Technica, Corp.
**Trademark of JVC, Inc.

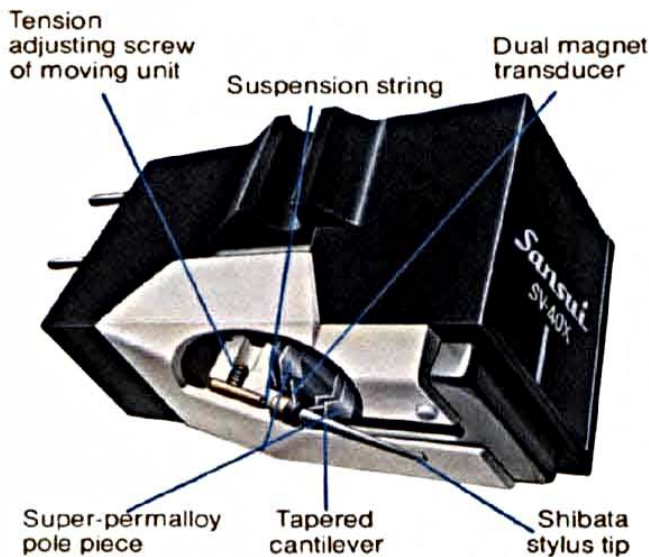
Sansui

THE ELECTRONIC AUTO/MANUAL FROM SANSUI

In 4-Channel or 2-Channel it's *all* hi-fi.

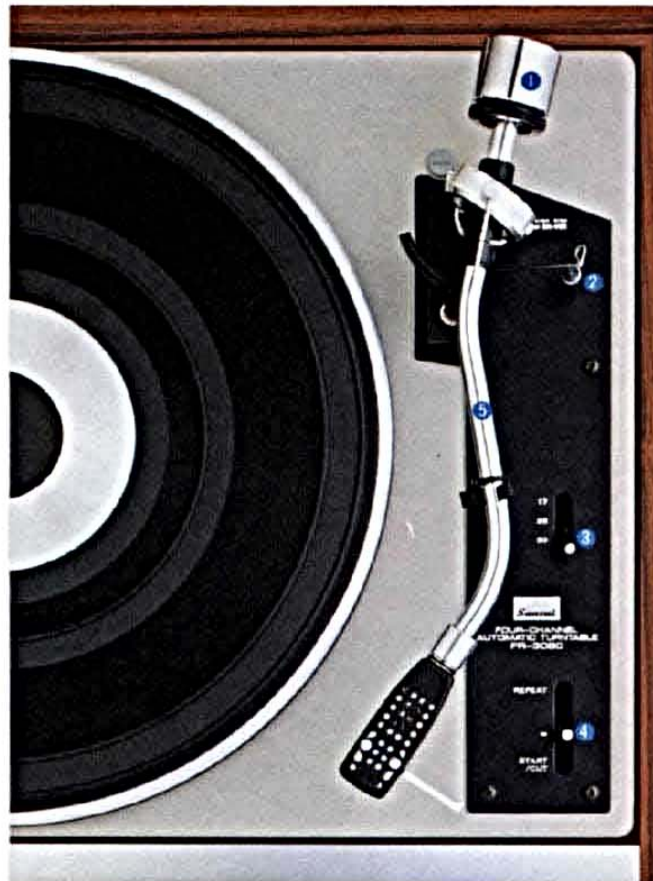
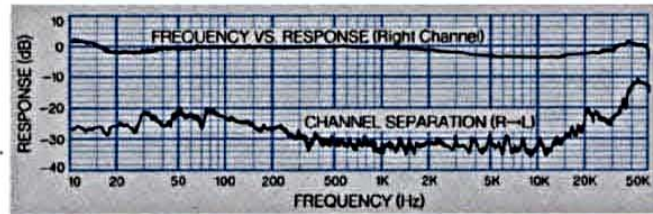
Plays any 4-channel or 2-channel disk

Sansui's outstanding FR-3080 electronic turntable has been specifically engineered to deliver the finest musical performance in conventional stereo (2-channel) as well as all 4-channel (QS, SQ, CD-4) formats. The Sansui-designed S-shaped tonearm is equipped with a special Dual-Magnet cartridge employing the smallest moving magnets possible to manufacture. The cartridge (SV-40X) is capable of a flat response over the entire audio range without irregularities thanks to a separate magnet and coil for each main channel. This is especially important in 4-channel reproduction for less crosstalk and better channel separation.



Shibata stylus for CD-4 and longer wear

The cartridge includes a specially-shaped Shibata stylus with increased lateral contact with the record groove. It assures precise tracing and significantly less wear, both on the stylus itself and on records. The cartridge/stylus combination in the FR-3080 extends high frequency response well over the ultra-high 50,000Hz mark for perfect handling of the CD-4 carrier wave. Low-capacitance signal cords (40pF/m) prevent high-frequency attenuation.



CONTROLS

- ① Counter-balance weight
- ② Skating force canceller
- ③ Record Size Selector
- ④ Cueing lever
- ⑤ Statically-balanced S-shaped tubular tonearm

Independent automatic operation

One simple-to-use control lever does it all. Set the record-size selector, then operate the control to perform the automatic lead-in. When the stylus touches the record, the automatic mechanism is set free and the arm and platter drive systems perform independently

as in any top-quality manual. When the record is played out, a special Sansui galvo-magnet detection mechanism triggers the independent automatic tonearm return function. You can override these automatic functions at any point, or even set the control to repeat the cycle of lead-in, play and return indefinitely. Thus the Sansui FR-3080 is a fully independent manual turntable, or a fully automatic one. The choice is up to you.

Highly accurate, independent motor and heavy platter

The FR-3080 features a 4-pole synchronous motor with a tested and proven reliability to deliver accuracy. Motor speed is independently synchronized at all times regardless of fluctuations in supply voltage. This high-torque motor spins a well-balanced, high-inertia aluminum die-cast platter (30cm/12") by means of a proven belt-drive arrangement employing a fine urethane (urethane/neoprene) belt of excellent physical and aging characteristics. The resulting wow/flutter and rumble levels are practically negligible.

Statically-balanced tonearm with skating-force canceller

Minimized friction is the key to the smooth performance of the statically-balanced tubular tonearm in the FR-3080. The elongated S shape exhibits optimum lateral balance for true-tracking accuracy. The built-in skating-force canceller eliminates harmful distortion and stylus/record wear caused by uneven pressure on groove walls. It has a direct-readout pressure dial. The tonearm also features a universal-type connector with gold-plated terminals.

Solid-walnut grain cabinet and isolated motor

The cabinet of the FR-3080 is as functional as it is attractive. The use of solid and expertly joined wooden parts suppresses howling, and the unique motor suspension system developed by Sansui (patent pending) serves as a dramatic way to reduce all types of noise.

SPECIFICATIONS

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| TYPE | Two-speed, belt-driven automatic turntable |
| OPERATION MODES | Manual/Automatic (lead-in, return/stop, repeat, cut) |
| PLATTER | Aluminum alloy die-cast, diameter 300mm (12") |
| MOTORS | 4-pole synchronous for platter drive 16-pole (3rpm) geared synchronous for automatic operation |
| SPEEDS | 33½rpm & 45rpm |
| WOW & FLUTTER | Less than 0.07% (W.R.M.S.) |
| SIGNAL-TO-NOISE RATIO | Better than 52dB (IEC-B) |
| RUMBLE | Better than 60dB (DIN-B) |
| ONEARM | Statically balanced S-shaped tubular with universal shell connector |
| ONEARM LENGTH (stylus tip to arm pivot) | 220mm (8 11/16") |
| OVERHANG | 15mm (5/8") |

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| TRACKING FORCE SETTING | 0 to 4 grams |
| APPLICABLE CARTRIDGE WEIGHT | 4 to 10 grams |
| CARTRIDGE | Dual-magnet type (SV-40X) |
| FREQUENCY RESPONSE | 10 to 50,000Hz |
| CHANNEL SEPARATION | 25dB (1,000Hz) |
| OUTPUT VOLTAGE | 2.2mV per channel (1,000Hz) |
| LOAD IMPEDANCE | 50K to 100K ohms |
| STYLUS | SN-40X, diamond, Shibata stylus |
| OPTIMUM TRACKING FORCE | 2 grams |

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| GENERAL | |
| POWER REQUIREMENTS | 120/240V (Usable 100-130/210-260V), 50/60Hz |

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| POWER CONSUMPTION | 15 watts |
| DIMENSIONS | 445mm (17 1/8") W X 165mm (6 1/2") H X 357mm (14 1/8") D |
| WEIGHT | 7.8kg (17.2 lbs.) Net 9.5kg (20.9 lbs.) Packed |
| ACCESSORIES | 45rpm record spindle adaptor, oil, removable dust cover with automatic hinges, stylus brush, overhang gauge, motor pulley for 50Hz or 60Hz |

Design and specifications subject to change without notice for improvements.

SANSUI ELECTRIC CO., LTD. 14-1, 2-CHOME, IZUMI, SUGINAMI-KU, TOKYO 168, JAPAN/TELEPHONE: 323-1111/TELEX: 232-2076
SANSUI ELECTRONICS CORPORATION 55-11 QUEENS BLVD. WOODSIDE, NEW YORK 11377, U.S.A./TELEX: NEW YORK 422633 SEC UI
SANSUI AUDIO EUROPE S.A. DIACEM BUILDING, VESTINGSTRAAT 53-55, 2000 ANTWERP, BELGIUM/TELEX: ANTWERP 33538



Printed in Japan 56003P1