

SANSUI SR4050C



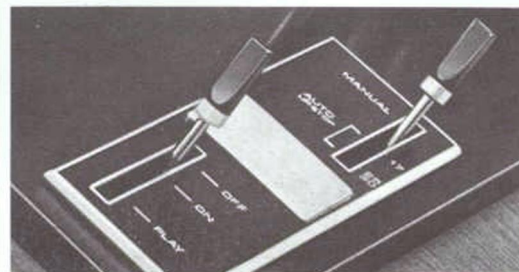
DELUXE 2-SPEED AUTOMANUAL TURNTABLE The SR-4050C is a standard-bearer for a whole new generation of quality turntables—the Sansui Automanuals. Designed and built by perfectionists for perfectionists, this precision instrument now brings you the best of both turntable worlds, the uncomplicated accuracy of the manual and the convenience of the automatic. Perhaps the outstanding feature of the SR-4050C is its unique Auto Lift/Stop mechanism. The all-electrical Auto Lift element includes a special detector circuit and relay/solenoid control system. Among its many advantages are the elimination of possible damage resulting from undesirable side pressure, plus the fact that cartridges of very light tracking force can be used. The Auto Stop element automatically stops platter motion when a record has finished

playing and the tonearm raises itself. Incorporating a direct belt-drive system, 4-pole synchronous motor, Sansui's original belt protection system and feather-touch cuing control, the SR-4050C carries the tender loving care of records to gentle new lengths. No expense has been spared to make it the finest of the new Automanual generation. Its statically-balanced tubular tonearm, for example, features a unique and costly gimbals-support design. Gold-plated connection terminal pins are used, and an expensive hear shell is provided, along with a newly designed induced magnet cartridge. Built by perfectionists for perfectionists, the new SR-4050C is a performer without peer among today's quality turntables.

Sansui



FEATHER-TOUCH CUING CONTROL: The SR-4050C boasts a feather-touch cuing control that doubles as a power switch. Lift it upright, and the turntable quietly starts to rotate, pull it further toward yourself, and the oil-damped delay-motion arm elevation mechanism gently lowers the tonearm on the record. (This mechanism utilizes both spring and oil to overcome the weaknesses of conventional arm elevation mechanisms. It resists sharp temperature changes and prevents oil seepage even if handled carelessly.) With the turntable set for Automatic Lift/Stop operation, the cuing control automatically returns to OFF as the tonearm lifts off the record.



ALUMINUM SCRATCH MOTOR BOARD: The beauty of the die-cast platter and the graceful shape of the tonearm are enhanced by the adoption of Sansui's unique, black aluminum scratch motor board. Relatively free from the accumulation of dust, it adds to the decor of any tastefully furnished room.

GIMBALS-SUPPORTED TUBULAR TONEARM: The statically balanced tubular tonearm of the SR-4050C features an expensive gimbal-support design for exceptional sensitivity in both horizontal and vertical directions. This unique support method permits the tonearm to track the record groove faithfully with very light tracking force and also minimizes the frictional resistance and inertia efficiency of the rotary parts. Precision-finished, the tonearm is also designed to preclude any possibility of resonance or howling. The result of all these special design considerations, of course, is evident in the superior tonal quality of reproduced sound.



TONEARM Statically balanced, gimbal-supported tubular tonearm, with anti-skating device, lateral balancer, direct readout tracking force weight

ARM LENGTH 230mm (9 1/8")

OVERHANG 15mm (5/8")

TRACKING ERROR ±1.5°

CARTRIDGE Induced magnet type

FREQUENCY RESPONSE 20-20,000Hz

ANTI-SKATING DEVICE: The bias force of the anti-skating device adopted by the SR-4050C can be internally adjusted in a continuous manner. This can be done even while a record is playing, so the operator can actually detect the difference in the tonal quality of reproduced sound as he adjusts the bias force to cancel the inside force.

DIRECT READOUT TRACKING FORCE WEIGHT: Once the tonearm is balanced, the required tracking force (stylus pressure) can be readily applied by turning and moving the direct readout rotary weight—in 0.5 gram steps—to the appropriate marking. This makes possible the application of the necessary tracking force with absolute precision.

ZINC DIE-CAST CONTROL BASE: This die-cast base avoids resonance, yet firmly supports the tonearm and oil-damped arm elevation mechanism. Reinforced with special ribs, it offers extraordinary strength, and completely eliminates the possibility of warping or breaking.

GOLD-PLATED CONNECTION TERMINAL PINS: Expensive gold-plated pins are employed on the connection terminals of both the tonearm and the head shell. Overcoming one of the weaknesses of past turntables, the new connection terminals no longer get rusty even in warm areas or areas along ocean coasts.

EXPENSIVE HEAD SHELL PROVIDED: The SR-4050C is complete with an expensive head shell made of a special light alloy. Large holes are punched in its top surface to make it as light (8 grams) as possible; its edge is specially bent to serve as a reinforcement rib for added strength and the part that couples to the cartridge is doubly constructed to avoid resonance. Its gold-plated terminals are fashioned as a plug meeting EIA standards, and can be coupled to tonearms of other makes.

INDUCED MAGNET CARTRIDGE: The newly designed induced magnet cartridge features superior tone quality and lack of distortion in reproduced sound. The mass of its moving part has been reduced to a minimum, thanks to the use of an exceptionally light cantilever. Adopting a high compliance design, it reproduces treble notes extending above the limit of human hearing with transparency, midrange notes with richness, and bass notes with assuring power.

ANTI-HOWLING INSULATORS: Special rubber cushion insulators attached to the four corners of the bottom of the cabinet prevent howling—one big obstacle to faithful tracking of the record. They guard against this unpleasant effect even when the unit is operated in a place with abundant acoustic vibrations.

GRACEFUL CABINET: The cabinet of the SR-4050C adopts a sophisticated design combining natural wood and special resin, and is completely free from howling.

REMOVABLE SMOKED DUST COVER: The unit comes complete with a smoked acrylic dust cover that can be opened or closed single-handedly. For safety, it renders itself removable only when opened to a certain angle.

OUTPUT VOLTAGE 5mV

CROSSTALK Better than 25dB (at 1kHz)

OPTIMUM TRACKING FORCE 2.0g

STYLUS 0.5 mil diamond

STYLUS COMPLIANCE 17×10⁻⁶ cm/dyne

LOAD RESISTANCE 50kΩ

DIMENSIONS 198mm (7 7/8")H×505mm (19 7/8")W×370mm (14 5/8")D

WEIGHT 12kg (26.5 lbs.)

UNIQUE AUTO LIFT/STOP: The SR-4050C features Sansui's new unique Auto Lift/Stop mechanism, absolutely free of any devices that may deteriorate the performance of the tonearm. A "position type" automatic lifting mechanism, which produces absolutely no side pressure, it performs its task electrically with foolproof certainty and permits any cartridge of light tracking force to be used. Employing a magnet reed switch and a plunger such as are used in a quality tape transport mechanism, the Auto Lift/Stop mechanism gently lifts the tonearm when a record is finished, and then stops the platter motion. Basic motions are exactly the same as in professional manual turntables.

DIRECT BELT-DRIVE SYSTEM: A belt-drive system assures smooth, stable revolution of the platter for hours on end. A simple 'direct' belt-drive system, it keeps friction and rotational parts to a minimum, and is far less apt to break down than the more complex double-belt-drive system, thereby maintaining its superior initial performance for a long time. Its precision-finished 12-inch aluminum alloy die-cast platter is of a double-rim design for greater flywheel effect, and its center spindle adopts a special design that minimizes wow.

FOUR-POLE SYNCHRONOUS MOTOR: The SR-4050C is equipped with a quality 4-pole synchronous motor that maintains constant speeds against fluctuations in line voltage or load. No fine adjustments of speeds are ever necessary. Special attention was also given to the position and method of mounting the motor to obtain an exceptional signal-to-noise ratio.

AUTOMATIC BELT PROTECTION SYSTEM: First devised and adopted by Sansui, this system eliminates the possibility of deformation to the drive belt by automatically interlocking the speed changeover mechanism when the Power Switch is turned off.

PUSHBUTTON SPEED CONTROLS: Choose either 33 1/3 or 45 rpm simply by pushing the appropriate light pushbutton speed control. Designed from the standpoint of human engineering, both controls permit the selection of the right speed with certainty even in the darkness.

SPECIFICATIONS

TYPE 2-speed, direct belt-drive turntable with Auto Lift/Stop

PLATTER Aluminum alloy die-cast, 300mmφ (approx. 12" φ), 1.5 kg

MOTOR 4-pole synchronous

POWER REQUIREMENTS 100/115/130/200/230/250V, 50/60Hz

SPEEDS 33 1/3, 45 rpm

S/N RATIO Better than 45dB

WOW AND FLUTTER Less than 0.06%