

Technics SL-1200GR S - Silver Gramofon sa direktnim pogonom

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Kombinujući Tehniksove vrhunske analogne i napredne digitalne tehnologije, 2016. izašao je SL-1200G, čije performanse su uzdrmale tržište, i redefinisale globalni standard *direct drive* gramofona. Delovi iz SL-1200G iznova su razvijani za **GR** seriju, počevši od glavnog motora i precizne kontrole rada motora koja eliminiše šum (uzrokovao neregularnostima pri rotaciji), preko izuzetno čvrstog tanjira niske vibracije, sve do visoko osetljive ručke. **GR** u potpunosti ponavlja klasičan izgled serije 1200, identičnog je gabarita.

Izbor između 3 brzine i (elektronska) varijabilnost brzine, odnosno *pitch* kontrola od +/-8%, ili dvostruko više pomoću posebnog dugmeta. Tanjir je teži nego ranije, i ima 2.5 kg (800 g više), a povećana mu je i akustička umrtvljenost. Akustička rešenja na novom modelu dodatno artikulišu i izoštravaju bas-opseg.

SL-1200GR ustvari je unapređena verzija klasičnog hi-fi uređaja. Izrađen u Japanu, procesom u kom su učestvovali i inženjeri koji su za Technics stvarali i pre četrdesetak, pa i više godina.

Baza: aluminijum i ebonit, Pogon: direktni pogon (manuelni gramofon)

Boja: srebrna; Brzine obrtaja ploče (RPM): 33.3, 45, 78

Motor: 9-polni s kvarcnom kontrolom. Ručica: S-oblikovana, od 9 inča

Startni obrtni moment: 2.2 kg-cm; dostiže ubrzanje do 33 RPM za 0.7 s

Wow And Flutter: 0.025 % W.R.M.S.; Rumble: 78 dB (IEC 98A weighted)

Tanjir: Izliveni aluminijumski, prečnik: 332 mm, težine 2.5 kg

Opseg kompatibilnih kertridža: od 5.6 do 12 g (bez pomoćne težine), od 14.3 do 20.7 g (uključujući glavu – sa pomoćnom težinom), 10 – 16.4 g, 18.7 do 25.1 g (uključujući glavu); Težina glave: 7.6 g (približno)

Terminali/povezivanje: Audio izlaz PHONO (pin džek) x 1, uzemljenje

Napajanje: AC 110-240 V, 60 Hz; Potrošnja el. energije: 11 W (u Standby-u 0.2 W)

Dimenzije: 173 x 453 x 372 mm (s poklopcem), Težina: 11,5 kg

The Technics SL-1200GR Silver Direct Drive Turntable is a culmination of Technics' 50 years plus engineering knowledge, fusing digital and analogue technologies to bring you a turntable with features such as high quality coreless direct-drive motor, heavy dampening in the die-cast aluminium chassis, a hand adjusted tonearm, rubberized feet and replaceable RCA cables.

The SL1200-GR has been meticulously crafted to reduce vibration and offer the smoothest rotation without compromise on sound quality. An aluminium diecast platter improves stability for a purer sound, a coreless direct-drive motor prevents cogging and a newly developed rotation control offers perfect pitch stability. With its iconic design, the SL-1200 will look good in any environment and will appeal to audiophiles and DJs alike.

Best Product 2018-2019 - Turntable

"This latest SL-1200GR version is designed to offer value-conscious 'vinylistas' most of this in a far more affordable package. The updated version of the company's legendary quartz-locked direct-drive system keeps better speed than a Swiss watch, and the deck's aluminium base soaks up vibration like a sponge. It's a great way to spin your precious vinyl."



Hi-Fi Choice Recommended

"What makes the SL-1200GR impressive is that any nostalgic quality doesn't impede its ability to compete at a price point and many of the qualities that stand the flagship SL-1200G in such good stead have survived to achieve the lower asking price. It is hard not to be impressed by just how well Technics has managed to bring the performance of its revised classic to a different part of the market."

Fusing analogue and digital technologies

Launched in 2016, the SL-1200G combined Technics' traditional analogue technology and advanced digital technology, while redesigning parts throughout. Its outstanding performance literally rocked the hi-fi market and redefined the reference for direct-drive turntables. Parts that were inherited from the SL-1200G were newly developed for the SL-1200GR, beginning with the coreless direct-drive motor and precise motor control technology that eliminated the cogging that originated from rotation irregularity, and including a low-vibration, high-rigidity platter and high-sensitivity tonearm. By these measures, the level of performance clearly outperforms the usual standards of its class. The SL-1200GR invites more audio enthusiasts to enjoy music with the rich, robust sound of analogue records.

Coreless direct-drive motor

In 1970, Technics commercialized the world's first direct-drive turntable and the system took the world by storm. Unlike belt-drive and other systems, direct-drive systems rotate the motor at low speed and directly drive the platter, thus providing numerous advantages, such as the almost complete absence of degradation in S/N ratio due to motor vibration and deceleration mechanisms, as well as high reliability over a long period time because of not requiring parts replacement. And in 2016, Technics developed the twin-rotor, surface-facing, coreless direct-drive motor with rotor magnets placed on both sides, thereby eliminating the rotation irregularity of the motor, referred to as "cogging," which was a unique issue for direct-drive systems. This motor was adopted for the SL-1200G, which once again drew a significant response in the hi-fi market. The SL-1200GR inherits the same design philosophy with the new development of a single-rotor, surface-facing, coreless direct-drive motor, resulting in the elimination of cogging.

High precision motor control

The rotation control, which verifies and corrects the precision of the motor, uses the latest motor control technology cultivated in the development of Blu-ray disc devices, just as that used by the SL-1200G. Sine waves stored in ROM are used for the control waveforms at constant speed, and this achieves smoother and more stable rotation compared with using the simple sine wave generation with an external coil as in the conventional SL-1200MK5. In addition, the electrical circuitry has had tuning performed so that the newly developed motor of the SL-1200GR achieves maximum performance. The starting torque achieves 2.2 kg x cm with only a single rotor. The same startup time of 0.7 s (at 33 1/3 rpm) as the SL-1200G has been achieved.

Vibration damping

The platter achieves high rigidity and vibration damping characteristics by using a two-layer construction with deadening rubber applied to the entire rear surface of the aluminium die-cast to eliminate the unnecessary resonance that is otherwise relayed to the record, thereby producing clear sound. To increase the inertial mass and reduce vibration, the shape of the aluminium die-cast portion was optimized by simulation. At 2.5 kg (including the rubber mat), the SL-1200GR platter is 0.8 kg heavier than that of the previous SL-1200MK5. Also, the back surface of the platter has strengthening ribs added to improve rigidity. Increasing the surface area of contact with the deadening rubber achieves damping characteristics that are more than twice those of the SL-1200MK5.

Tonearm

The tonearm tracks the rotation of the record and enables reading with high precision, and the tonearm inherited by Technics is the traditionally used static-balance universal S-shaped tonearm, employing an aluminium pipe with excellent lightweight and rigidity for the material of the tonearm pipe. With its gimbal suspension construction, the tonearm bearing section uses a cut-processed housing that employs high-precision bearings, as in the SL-1200G. The high initial-motion sensitivity of 5 mg or less is achieved through manual assembly and adjustment by skilled Japanese artisans. This enables the grooves etched into the records to be accurately traced. In addition, one type of auxiliary weight comes included, and the cartridge can be swapped with a variety of other cartridges to match the music genre or feeling. (Applicable cartridge weight when using the supplied auxiliary weight: 10 - 16.4 g (not including the supplied headshell))

High quality terminals

The turntable uses gold-plated phono terminals for detachable cables, and so a wide variety of cables can be selected. Also, the use of metal shielding construction inside the case reduces the effects of external noise.

Smooth sound and isolation

The SL-1200GR ensures high rigidity by using a body with a two-layered construction solidly unifying the BMC and the aluminium die-cast chassis. For the insulators supporting the body, as with the SL-1200G, the SL-1200GR uses special silicon rubber that ensures both high vibration damping characteristics and long-term reliability. Vibration in the horizontal direction is absorbed by reinforcement with cylindrical tubes using microcell polymers. While inheriting the technology of the SL-1200G, the insulators have had tuning performed specifically for the SL-1200GR. Also, the installation section of the insulators is equipped with a vertical adjustment mechanism using screws. This eliminates the rattle that occurs when the turntable is installed in a rack or the like, and prevents unwanted vibration. In addition, exact horizontal adjustment of the platter and record surface reduces rotation irregularity due to slanting, thereby enabling more stable record playing.

Turntable section

Type
Turntable Speeds

Adjust Range

Starting Torque

Build-up Characteristics

Wow And Flutter

Rumble

Turntable Platter

Diameter

Weight

Tonearm Section

Type

Effective Length

Overhang

Tracking Error Angle

Offset Angle

Arm-height Adjustment Range

Stylus Pressure Adjustment Range

Head Shell Weight

Applicable Cartridge Weight Range

Cartridge Mounting Dimension

Head Shell Terminal Lug

Audio Output

General

Power Supply

Power Consumption

Dimensions (W x H x D)

Weight

Accessories

