

Direct Drive Turntable System SL-1210MK7



Turntable Section

Type
Direct Drive Manual Turntable

Turntable Speeds
33 1/3, 45 rpm [with switch 78 rpm]

Adjust Range
±8 %, ±16 %

Starting Torque
2.2 kg-cm
0.18 N-m / 1.8 kg-cm

Build-up Characteristics
0.7 s. from Standstill to 33-1/3 r/min

Wow And Flutter
0.025 % W.R.M.S.

Turntable Platter
Aluminium diecast
Diameter : 332 mm
Weight : Approx. 1.8kg
(Including slipmat and slipsheet)

Tonearm Section

Type
Universal Static Balance

Effective Length
230 mm

Overhang
15 mm

Tracking Error Angle
Within 2° 32' [at the outer groove of 30 cm record]
Within 0° 32' [at the inner groove of 30 cm record]

Offset Angle
22°

Arm Height Adjustment Range
0 - 6 mm

Stylus Pressure Adjustment Range
0 - 4 g [Direct Reading]

Head Shell Weight
Approx. 7.6 g

Applicable Cartridge Weight Range
(without auxiliary weight)
5.6 - 12.0 g
14.3 - 20.7 g (including head shell)

Head Shell Terminal Lug
1.2 mmφ 4-pin terminal lug

Terminals

Audio Output
PHONO (Pin Jack) x 1
EARTH TERMINAL x 1

General

Power Supply
AC 110 - 240 V, 50 / 60 Hz

Power Consumption
8W
Approx. 0.2 W (Standby)

Dimensions [W x H x D]
453 x 169 x 353 mm

Weight
Approx. 9.6 kg

Operating temperature range
0°C + 40°C [32°F to +104°F]

Accessories

Turntable, Slipmat, Slipsheet,
Dust cover,
EP record adaptor, Balance weight,
Head shell,
Screw set for cartridge, PHONO cable,
PHONO earth lead, AC power supply cord,
Owner's Manual

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Direct Drive Turntable System

SL-1210MK7

Rediscover Music

Technics

A NEW CHAPTER BEGINS

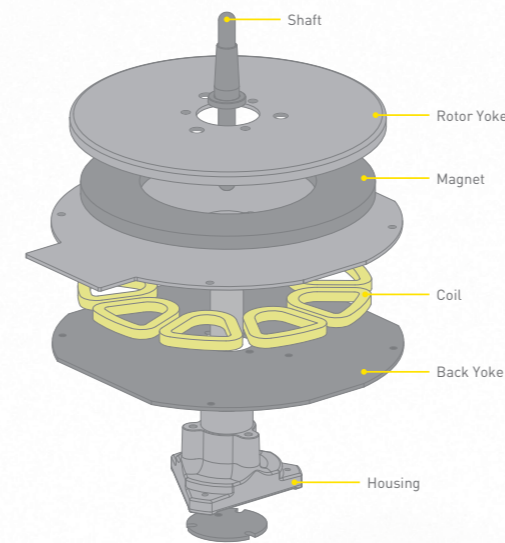
The SL-1210 was launched as a popular direct drive turntable in 1972, becoming a best-selling model with cumulative sales of 3,500,000 units for the series. It was supported by powerful torque, easy operation, and high durability. It became greatly admired by both audio enthusiasts and DJs who helped to unleash the DJ culture in areas such as electronic dance music.

The series is still highly acclaimed by DJs worldwide today.



Coreless Direct Drive Motor Achieving Stable Rotation

The direct drive system uses a slow-turning motor to directly drive the platter. This system has various advantages. It offers high performance, such as rotation accuracy and powerful torque, does not require replacement of parts and maintains high reliability over a long period of time. On the other hand, the direct drive system was said to produce a rotation irregularity called cogging. For the SL-1210MK7, a new coreless direct drive motor was developed. This motor employs a coreless stator. The removal of the core (iron core) from the stator eliminated the root cause of cogging. Furthermore, the magnetic force of the rotor magnets was improved to the highest possible level, and the gap between the coreless stator and rotor magnets was optimised, thus achieving high torque performance equaling that of the SL-1210MK5. Boasting smooth rotation and powerful torque, this motor reproduces sound accurately and faithfully from the groove on an analogue record.



Diverse new functions adapt to various playing styles

Torque/Brake Speed Adjustment

The newest digital motor control technology, accumulated through the development of Blu-ray disc products, is applied to improve adjustment by allowing the torque and brake speed to be adjusted individually in four steps.

The Pitch Control Function

The pitch control function allows fine adjustment of the rotation speed within $\pm 8\%$ to $\pm 16\%$. It does this through digital control, from positional detection of the slider to rotational control of the motor, eliminating the unnecessary DA conversion. This greatly improves tracking performance to achieve accurate and stable pitch adjustment.

Reverse Play Function

The reverse play function, which brings forth new possibilities of creative performance, makes its first appearance in the SL-1210 Series. In addition to 33-1/3 rpm and 45 rpm, a rotation speed of 78 rpm is supported.

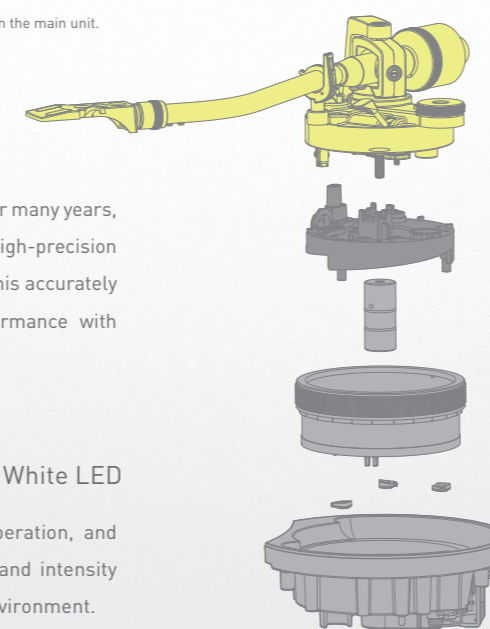
*The torque/brake speed adjustment, rotation speed switch, and reverse play can be adjusted by switches on the main unit.

High Sensitive Tonearm

The tonearm, which has continued to support the leading edge of the DJ scene for many years, inherits the highly reliable static-balance universal S-shape tonearm. Using high-precision bearings, it achieves a higher initial-motion sensitivity than the SL-1210MK6. This accurately tracks the groove on the phonorecord to assure excellent tracking performance with minimum stylus jumping even in harsh playing conditions such as scratching.

Stylus Illuminator Featuring a High-brightness and Long-life White LED

The stylus illuminator features a new push-type structure for intuitive operation, and employs a high-brightness and long-life white LED. The illumination area and intensity were reviewed to provide improved visibility of the stylus tip even in a dark environment.



Power/Phono Cable Terminals

The power and phono cable terminals allow detachment of the cables. The phono terminals are gold-plated to minimise sound quality degradation. Since the terminals allow disconnection of the cables, maintenance of the cables is easier.



High Rigidity Cabinet and High Damping Insulator

The chassis, an essential part for reducing external vibrations, inherits the audio quality enhancement technology fostered through the development of high-end turntables. The aluminium die-cast chassis is rigidly integrated with a special material consisting of ABS mixed with glass fibre to achieve a two-layer construction. The combination of this special high-rigidity material and a metal chassis raised the rigidity and vibration-damping performance to higher levels, realising a robust cabinet for beautiful sound reproduction. The insulator is comprised of a spring and rubber to provide optimal frequency characteristics. This not only assures high sound quality and superb howling resistance, but also effectively shuts out external vibrations under high sound level conditions.

