

Technics SL D2 Manual

ORDER NO. SD7904-1557

Service Manual

Turtable System
SL-D2
(M), (MC)

SL-D2



- The model SL-D2 (M) is available in America only.
- The model SL-D2 (MC) is available in Canada only.

Specifications Specifications are subject to change without notice.
Weights and dimensions shown are approximate.

General

Power supply: 120 V, 50 or 60 Hz
Power consumption: 4 W
Dimensions: 43.0 x 13.0 x 37.5 cm
(16-9/16 x 5-7/16 x 14-49/64 inches)
Weight: 6.9 kg (15.2 lb.)

Turntable section

Type: Automatic turntable
Auto return
Auto stop
Drive method: Direct drive
Motor: Brushless DC motor
Drive control method: B-FG servo control
Turntable platter: Aluminum die-cast
Turntable speeds: 33-1/3 rpm and 45 rpm
Pitch control: 10% adjustment range
Wow and flutter: 0.014% WRMS (+)
±0.03% WRMS (JIS C5521)
±0.042% peak (IEC 98A Weighted)

Rumble:

-53 dB (IEC 98A Unweighted)
-75 dB (IEC 98A Weighted)

Tonearm section

Type: Universal tonearm
Effective length: 230 mm (9-1/16")
Overhang: 15 mm (19/32")
Friction: Less than 7 mg (lateral, vertical)
Effective mass: 12 g (without cartridge)
Tracking error angle: Within 2° 32' at the outer groove of 30 cm (12") record
Within 0° 32' at the inner groove of 30 cm (12") record
22°

Offset angle:

Stylus pressure adjustment range: 0 - 2.5 g
Applicable cartridge weight range: 6 - 9.5 g
13.5 - 17 g (including headshell)
Applicable cartridge weight range: 3 - 6.5 g
(with shellweight)
Headshell weight: 7.5 g

* This rating refers to turntable assembly alone, excluding effects of record, cartridge or tonearm, but including platter measured by obtaining signal from frequency generator attached to motor assembly.

Technics

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Technics SL-D2 Manual: The Technics SL-D2 is a renowned direct-drive turntable that has become a staple in the world of analog audio. Known for its precision engineering and reliable performance, the SL-D2 appeals to both audiophiles and casual listeners. This article will delve into the specifications, features, setup, and maintenance of the Technics SL-D2, providing a comprehensive guide for users and enthusiasts alike.

Overview of the Technics SL-D2

The Technics SL-D2 was introduced in the late 1970s and quickly gained popularity for its user-friendly features and sound quality. As part of Technics' celebrated line of direct-drive turntables, the

SL-D2 stands out due to its robust construction, low wow and flutter, and high torque motor.

Key Specifications

Here are some of the key specifications of the Technics SL-D2:

1. Drive System: Direct Drive
2. Motor: Brushless DC motor
3. Speed Options: 33 1/3 RPM and 45 RPM
4. Platter: 30 cm aluminum die-cast
5. Wow and Flutter: Less than 0.03% (WRMS)
6. Signal-to-Noise Ratio: Greater than 78 dB
7. Dimensions: 450 mm x 360 mm x 130 mm
8. Weight: Approximately 6 kg

These specifications highlight the SL-D2's capability to deliver high-quality sound and its suitability for both home listening and DJ applications.

Setting Up the Technics SL-D2

Setting up your Technics SL-D2 turntable correctly is essential for optimal performance. Follow these steps for a successful setup:

Unboxing and Initial Inspection

1. Carefully unbox the turntable, ensuring that all components are accounted for, including:
 - Turntable unit
 - Dust cover
 - Power cord
 - RCA audio cables
 - User manual
2. Inspect the turntable for any visible damage. If any issues are found, contact the retailer immediately.

Placement of the Turntable

1. Choose a stable and level surface to place the SL-D2. Avoid areas with excessive vibration or movement.
2. Ensure there is enough space around the turntable for ventilation and accessibility.
3. If using a separate amplifier or receiver, position it close to the turntable for easy connection.

Connecting the Turntable

1. Connect the power cord to the turntable and plug it into an appropriate power outlet.
2. Use the included RCA cables to connect the turntable to your amplifier or audio system. Ensure the connections are secure.
3. If your amplifier has a built-in phono preamp, connect the turntable directly. If not, you may need to use an external phono preamp.

Understanding the Features

The Technics SL-D2 is equipped with several features that enhance its usability and sound quality.

Direct Drive Technology

The direct-drive system in the SL-D2 eliminates the need for belts, resulting in:

- Faster start-up times
- More consistent speed stability
- Reduced maintenance needs

This technology makes the turntable ideal for both casual listening and DJing.

Anti-Skate Mechanism

The SL-D2 features an adjustable anti-skate mechanism that helps maintain proper tracking of the stylus in the record groove. This feature minimizes distortion and prevents premature wear of both the stylus and records.

Speed Selector

The speed selector switch allows users to easily switch between 33 1/3 RPM and 45 RPM, making it convenient to play different types of records without additional adjustments.

Using the Technics SL-D2

To get the most out of your Technics SL-D2, understanding its operation is crucial.

Installing the Cartridge

1. Carefully remove the head shell from the tonearm.
2. Attach the cartridge to the head shell, ensuring the connections are secure.
3. Reattach the head shell to the tonearm, making sure it is locked in place.

Adjusting the Tonearm

1. VTF (Vertical Tracking Force): Adjust the counterweight on the tonearm to achieve the recommended tracking force for your cartridge.
2. Anti-Skate: Set the anti-skate dial to the same value as the tracking force to maintain proper tracking.
3. Height Adjustment: Adjust the height of the tonearm if you are using a cartridge with a different height than the standard.

Playing Records

1. Place a record on the platter and ensure it is centered.
2. Set the speed selector to the appropriate speed.
3. Lift the tonearm and position the stylus over the record.
4. Gently lower the tonearm to start playback.

Maintenance of the Technics SL-D2

Proper maintenance is key to ensuring the longevity and performance of your SL-D2.

Cleaning the Turntable

1. Dust Cover: Regularly clean with a soft, non-abrasive cloth to prevent scratches.
2. Platter: Remove dust and debris using a microfiber cloth. Avoid using harsh chemicals.
3. Stylus: Clean the stylus regularly with a stylus brush to prevent buildup of dust and debris.

Regular Checks and Adjustments

1. Periodically check the tracking force and anti-skate settings to ensure they remain accurate.
2. Inspect the RCA cables for wear and replace them if necessary.
3. Check the power cord for any signs of damage to ensure safe operation.

Storage

1. When not in use, cover the turntable with the dust cover to protect it from dust and debris.
2. Store records vertically in a cool, dry place to prevent warping.

Conclusion

The Technics SL-D2 Manual serves as an essential guide for both new and experienced users of this remarkable turntable. With its robust features and superior sound quality, the SL-D2 has rightfully earned its place in the hearts of audio enthusiasts. By following the setup and maintenance tips outlined in this article, users can ensure they enjoy their analog music experience to the fullest. Whether you are using it for casual listening or high-fidelity playback, the SL-D2 stands as a testament to Technics' commitment to quality and performance in the world of turntables.

Frequently Asked Questions

What is the Technics SL-D2?

The Technics SL-D2 is a direct drive turntable released in the late 1970s, known for its high-quality audio performance and durable construction.

Where can I find the manual for the Technics SL-D2?

You can find the manual for the Technics SL-D2 on various online platforms such as Technics' official website, user forums, or sites like Vinyl Engine and Archive.org.

How do I set up the Technics SL-D2 turntable?

To set up the Technics SL-D2, place it on a stable surface, connect the power supply, attach the tonearm and cartridge, and connect it to your audio system using RCA cables.

What are the key features of the Technics SL-D2?

Key features of the Technics SL-D2 include a direct drive motor, adjustable pitch control, a heavy platter for stability, and compatibility with a variety of cartridges.

How do I maintain my Technics SL-D2 turntable?

Regular maintenance for the Technics SL-D2 includes cleaning the platter, checking the stylus for wear, ensuring the tonearm is balanced, and lubricating the motor if necessary.

What cartridges are compatible with the Technics SL-D2?

The Technics SL-D2 is compatible with most standard 1/2 inch mount cartridges, allowing users to choose from a wide range of models for different sound preferences.

Is the Technics SL-D2 suitable for DJing?

While the Technics SL-D2 is primarily designed for home use, its direct drive mechanism and pitch control make it suitable for casual DJing, though professional DJs often prefer models like the SL-1200.

What should I do if my Technics SL-D2 is not spinning?

If your Technics SL-D2 is not spinning, check the power connection, ensure the platter is properly seated, inspect the drive belt (if applicable), and consider troubleshooting the motor or circuitry.

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