

MagLite M27BS

Instruction Manual

MAGLITE M27BS MOVING MAGNET CARTRIDGE WITH DIAMOND STYLUS

For Technics SL5100, SL5200, SL5300, SL5310, SL5350 Turntables

1. Product Overview

This manual provides essential information for the installation, operation, and maintenance of your new MagLite M27BS Moving Magnet Cartridge with Diamond Stylus. This high-quality cartridge is designed to deliver excellent sound reproduction and is compatible with various Technics turntable models, including SL-5100, SL-5200, SL-5300, SL-5310, and SL-5350 series.

The M27BS features a stereo spherical diamond tip, ensuring strong tracking ability and clear audio output. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

2. Package Contents

Verify that all items are present in the package:

- 1 x MagLite M27BS Moving Magnet Cartridge
- 1 x Diamond Stylus (pre-installed or separate)
- Mounting hardware (screws, nuts, washers)



Image 1: MagLite M27BS cartridge, stylus, and mounting screws. The cartridge is green and black, with a white stylus cantilever, presented in a clear plastic case. A black and gold background with "Les Entreprises MAG" is visible behind the product.

3. Installation Guide

Proper installation is crucial for optimal sound quality and to prevent damage to your turntable or cartridge. If you are unsure about any step, please consult a professional or contact support.

1. **Preparation:**
- Turn off and unplug your turntable from the power outlet.
 - Carefully remove the old cartridge from the tonearm's headshell, if applicable. Note the wiring connections.
 - Place the turntable on a stable, well-lit surface.

2. Mounting the Cartridge:

- Attach the M27BS cartridge to your turntable's headshell using the provided mounting screws. Ensure the cartridge is securely fastened but do not overtighten.
- Align the cartridge as precisely as possible within the headshell slots.



Image 2: Close-up view of the MagLite M27BS cartridge, showing the rear connection pins and the stylus. The cartridge is green and black, with a white stylus cantilever, positioned in a clear plastic case with mounting screws.

3. Wiring Connections:

Connect the four color-coded wires from the tonearm to the corresponding pins on the back of the cartridge. The standard color code is:

- Red: Right Channel Hot (R+)
- Green: Right Channel Ground (RG-)
- White: Left Channel Hot (L+)
- Blue: Left Channel Ground (LG-)

Ensure connections are firm and secure. Avoid bending the pins.

4. Alignment and Tracking Force:

- **Alignment:** Use a cartridge alignment protractor (often included with turntables or available separately) to ensure the stylus is perfectly aligned with the record grooves. This minimizes distortion and wear.
- **Tracking Force:** Set the tracking force on your tonearm to **3.0 grams**. The acceptable range for this cartridge is 2.5g to 3.5g. Use a digital tracking force gauge for accuracy.
- **Anti-Skate:** Adjust the anti-skate setting on your tonearm to match the tracking force.

4. Operating Instructions

Once installed and properly aligned, your MagLite M27BS cartridge is ready for use.

- Ensure your turntable is connected to a phono preamplifier or an amplifier with a dedicated phono input.
- Carefully place the record on the platter.
- Gently lower the tonearm onto the record's lead-in groove using the cueing lever. Avoid dropping the tonearm directly onto the record.
- When finished, lift the tonearm using the cueing lever and return it to its rest.

5. Maintenance and Care

Regular maintenance will prolong the life of your cartridge and stylus, and ensure consistent sound quality.

- **Stylus Cleaning:** Clean the stylus regularly using a soft stylus brush, brushing gently from back to front. Do not use excessive force or brush side-to-side.
- **Record Cleaning:** Keep your records clean. Dust and debris on records can transfer to the stylus, degrading sound and accelerating wear.
- **Stylus Inspection:** Periodically inspect the stylus for wear or damage using a magnifying glass. A worn stylus can damage your records.
- **Storage:** When not in use, ensure the tonearm is secured in its rest and the stylus guard (if available) is in place.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound or very low sound	Incorrect wiring; Amplifier input not set to Phono; Damaged stylus/cartridge.	Check all wiring connections; Ensure amplifier is on Phono input; Inspect stylus for damage.
Distorted sound or skipping	Incorrect tracking force; Improper alignment; Dirty stylus; Worn stylus.	Adjust tracking force to 3.0g; Re-align cartridge; Clean stylus; Replace stylus if worn.
Humming or buzzing noise	Grounding issue; Interference; Loose connections.	Ensure turntable is properly grounded to amplifier; Check all cable connections; Move away from electronic devices.

7. Specifications

Feature	Detail
Cartridge Type	Moving Magnet (MM)
Stylus Tip	Stereo Spherical Diamond Tip
Output Voltage (at 1kHz, 5 cm/sec)	5.5 mV $\pm$ 3dB
Channel Balance (at 1kHz)	Below 1 dB
Channel Separation (at 1kHz)	More than 15 dB
Frequency Response	20 Hz ~ 20 kHz
Tracking Force	3.0g (Recommended); Range: 2.5g ~ 3.5g
Compatible Turntables	Technics SL-5100, SL-5200, SL-5300, SL-5310, SL-5350 series

8. Warranty and Support

This MagLite M27BS cartridge comes with a **6-month warranty** from the date of purchase, covering manufacturing defects. Additionally, a **14-day "any reason" return policy** is offered.

For technical assistance, warranty claims, or fitting advice, please contact your retailer or the manufacturer directly. Refer to your purchase documentation for specific contact details.

For more information, you may visit the [MagLite Store on Amazon](#).

© 2024 MagLite. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B088BZZZHC>

More documents and user manuals: <https://manuals.plus/>