

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [MagLite](#) /

› [MagLite M27BS Cartridge and Diamond Stylus Instruction Manual for Technics Turntables](#)

MagLite M27BS

MagLite M27BS Cartridge and Diamond Stylus Instruction Manual

Model: M27BS | Brand: MagLite

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your MagLite M27BS Moving Magnet Cartridge with Diamond Stylus. This cartridge is designed to deliver high-quality audio performance and is compatible with various Technics turntable models, including SL-Q202, SL-Q2K, SL-Q3, SL-Q303, SL-Q33, and SL-20. Please read this manual thoroughly before installation to ensure proper setup and optimal sound reproduction.

SAFETY INFORMATION

Handle the cartridge and stylus with care. The stylus tip is delicate and can be damaged by improper handling. Avoid touching the stylus tip with your fingers. Keep the cartridge and stylus away from magnetic fields and extreme temperatures. Always ensure your turntable is powered off before performing any installation or maintenance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x MagLite M27BS Moving Magnet Cartridge with Diamond Stylus
- 2 x Mounting Screws (for securing the cartridge to the headshell)



Image: The MagLite M27BS cartridge, featuring a green stylus, is shown alongside two silver mounting screws, all resting in a clear plastic tray. A black background with a gold logo is visible behind the components.

SETUP AND INSTALLATION

Before beginning, ensure your turntable is unplugged from the power outlet.

1. **Remove Old Cartridge (if applicable):** Carefully detach the wires from your existing cartridge. Note the color coding for re-connection. Unscrew the old cartridge from the headshell.
2. **Mount New Cartridge:** Align the MagLite M27BS cartridge with the mounting holes on your turntable's headshell. Use the provided mounting screws to secure the cartridge. Do not overtighten.

3. **Connect Wires:** Connect the four color-coded wires from the tonearm to the corresponding pins on the back of the cartridge. Standard color coding is typically:

- **R** (Red): Right channel hot
- **RG** (Green): Right channel ground
- (White): Left channel hot
- **LG** (Blue): Left channel ground

Ensure connections are firm and correct to prevent hum or channel imbalance.

4. **Balance Tonearm:** Follow your turntable's instructions to balance the tonearm. This typically involves adjusting the counterweight until the tonearm floats level.

5. **Set Tracking Force:** Set the tracking force to the recommended value of **3.0 grams**. The acceptable range is 2.5 to 3.5 grams. Refer to your turntable's manual for specific instructions on setting tracking force.

6. **Adjust Anti-Skate:** Set the anti-skate control on your turntable to match the tracking force.

7. **Stylus Guard:** Remove the stylus guard before playing records.

OPERATING INSTRUCTIONS

With the cartridge properly installed and adjusted, you are ready to play records.

- Always place records on the platter carefully.
- Use the tonearm lift to gently lower the stylus onto the record's lead-in groove. Avoid dropping the tonearm.
- When finished, use the tonearm lift to raise the stylus and return the tonearm to its rest.
- Always replace the stylus guard when the turntable is not in use or when transporting it.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your cartridge and stylus.

- **Stylus Cleaning:** Gently clean the stylus tip regularly using a soft stylus brush, brushing from back to front. Do not use solvents or harsh chemicals.
- **Record Cleaning:** Keep your records clean to prevent dust and debris from accumulating on the stylus.
- **Stylus Replacement:** The diamond stylus will wear down over time, typically after 500-1000 hours of play, depending on record condition and tracking force. A worn stylus can damage records and degrade sound quality. Replace the stylus when you notice a decrease in sound clarity or increased distortion.

TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or weak sound	Incorrect wiring, damaged wires, amplifier input issue, stylus not making contact.	Check all wire connections to the cartridge and amplifier. Ensure the stylus is properly seated. Verify amplifier input selection.
Distorted or muffled sound	Dirty stylus, incorrect tracking force, worn stylus, damaged record.	Clean the stylus. Re-check tracking force. Inspect stylus for wear. Try a different record.

Problem	Possible Cause	Solution
Skipping or jumping	Incorrect tracking force, anti-skate setting, dirty stylus, warped record, turntable not level.	Adjust tracking force and anti-skate. Clean stylus. Ensure turntable is on a level surface.
Humming noise	Grounding issue, incorrect wiring, proximity to other electronics.	Ensure turntable is properly grounded. Check wire connections. Move turntable away from other electronic devices.

If you are unable to resolve an issue, please contact the seller for further assistance.

SPECIFICATIONS

- **Type:** Moving magnetic cartridge with diamond stylus needle
- **Model:** M27BS
- **Output Voltage (at 1kHz, 5 cm/sec):** 5.5 mV +- 3dB
- **Channel Balance (at 1kHz):** Below 1 dB
- **Channel Separation (at 1kHz):** More than 15 dB
- **Frequency Response:** 20 ~ 20k Hz
- **Tracking Force:** 3.0g (recommended range: 2.5 ~ 3.5g)
- **Stylus Tip:** Stereo spherical diamond tip

WARRANTY AND SUPPORT

This MagLite M27BS cartridge comes with a 14-day "any reason" return policy and a 6-month warranty from the date of purchase. For warranty claims, technical support, or fitting advice, please contact the seller directly through your purchase platform. Please retain your proof of purchase for warranty purposes.