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› MagLite M27BS Moving Magnet Cartridge and Diamond Stylus Instruction Manual

MagLite M27BS

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Instruction Manual

Brand: MagLite | Model: M27BS

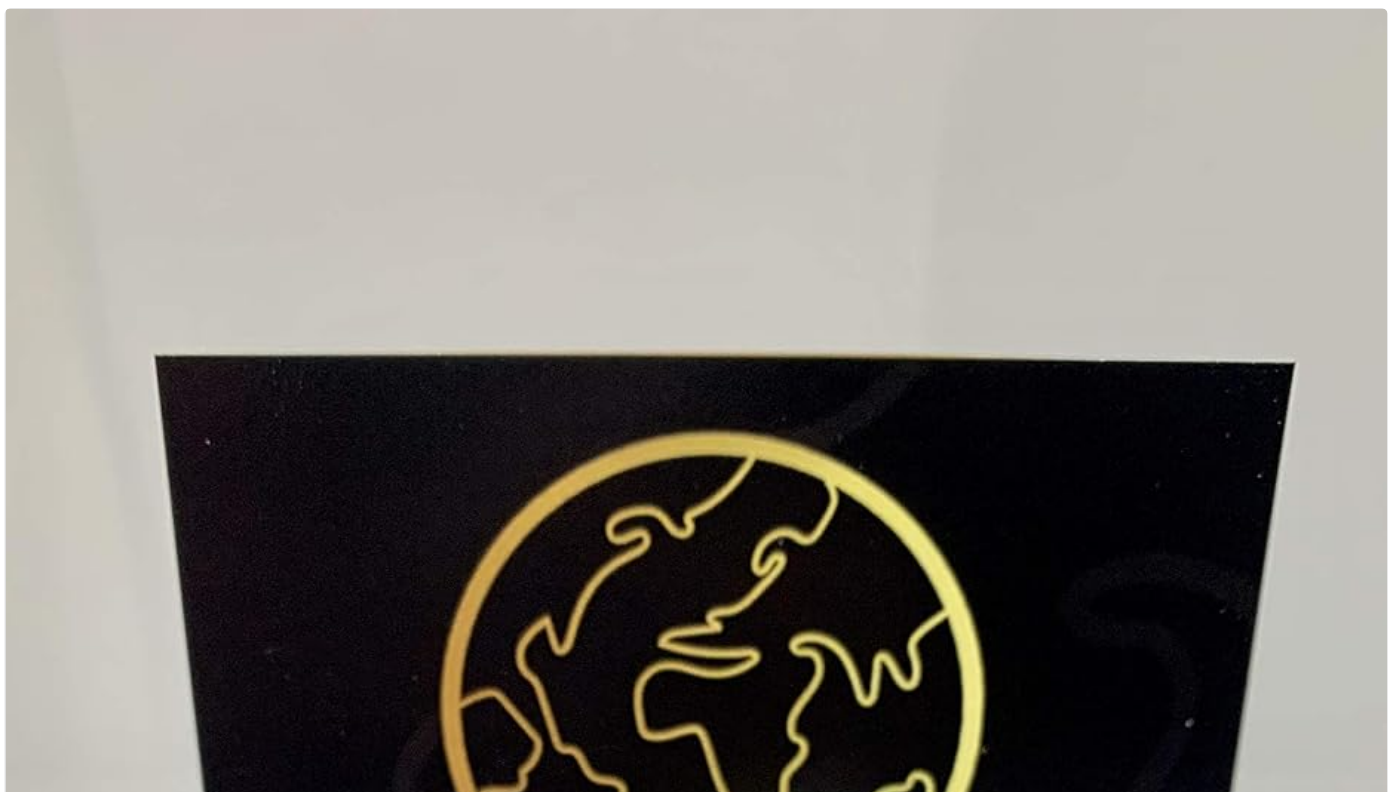
INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your MagLite M27BS Moving Magnet Cartridge with Diamond Stylus. Please read this guide thoroughly before use to ensure optimal performance and longevity of your product.

PRODUCT OVERVIEW

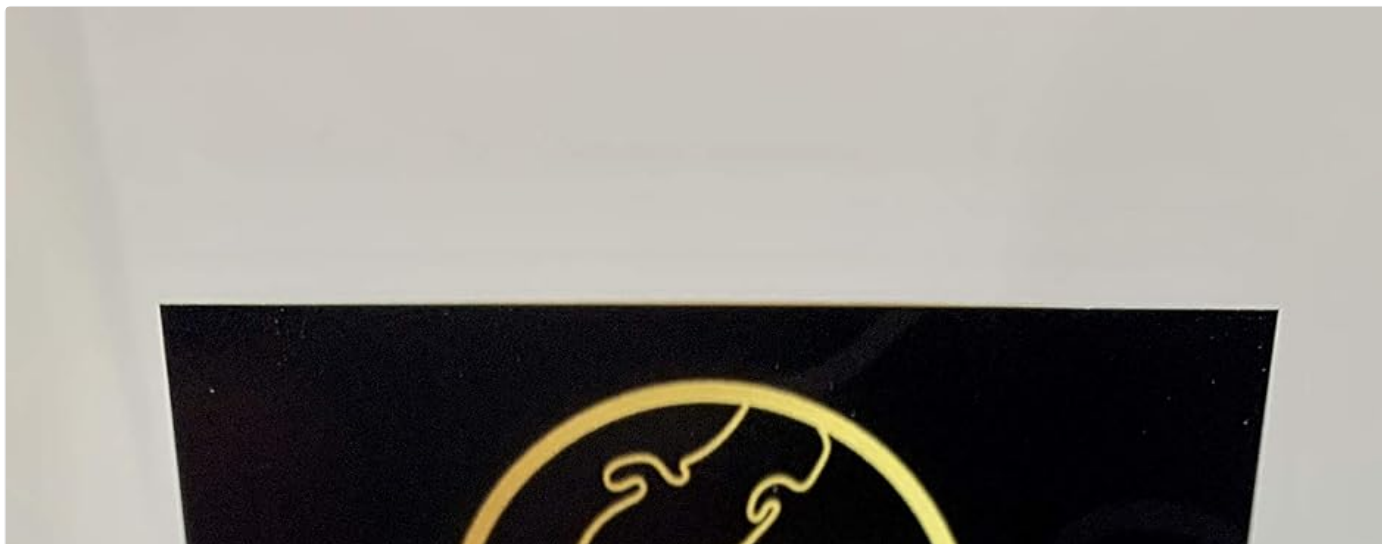
Components

The MagLite M27BS package includes one moving magnet cartridge, one diamond stylus (pre-installed or separate), and mounting hardware (screws). The stylus is designed for precise tracking and clear audio reproduction.





This image displays the MagLite M27BS Moving Magnet Cartridge and its diamond stylus, along with the included mounting screws. The components are housed in a protective clear plastic case, positioned in front of a branded card.





A rear view of the MagLite M27BS Moving Magnet Cartridge, highlighting the four connection pins used for wiring to the tonearm.

Key Features

- Type: Moving magnetic cartridge
- Stylus Tip: Stereo spherical diamond tip
- Output voltage (at 1k Hz, 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), 2.5 ~ 3.5g (range)
- Easy to install
- Excellent sound quality and strong tracking ability
- Compatible with Pioneer Models: PL 55X, PL 150, DJ 3500, PL 1700, PL 540

SETUP AND INSTALLATION

Compatibility: This cartridge is designed to fit various turntable models, including Pioneer PL 55X, PL 150, DJ 3500, PL 1700, and PL 540. Ensure your turntable's tonearm is compatible with a standard half-inch mount cartridge.

Installation Steps:

1. **Power Off:** Disconnect your turntable from the power supply before beginning installation.
2. **Remove Old Cartridge (if applicable):** Carefully detach the wires from the old cartridge's pins. Note the color coding of the wires for correct re-connection. Unscrew the old cartridge from the tonearm headshell.
3. **Mount New Cartridge:** Attach the MagLite M27BS cartridge to the tonearm headshell using the provided screws. Do not overtighten. Ensure the cartridge is aligned correctly within the headshell slots.
4. **Connect Wires:** Connect the tonearm wires to the corresponding pins on the new cartridge. Standard color coding is typically: Red (Right Channel Hot), Green (Right Channel Ground), White (Left Channel Hot), Blue (Left Channel Ground). Refer to your turntable's manual for specific wiring diagrams if unsure.
5. **Install Stylus:** If the stylus is not pre-installed, gently slide it into the cartridge body until it clicks securely into place.
6. **Adjust Tracking Force:** Set your turntable's tracking force to 3.0g. The recommended range is 2.5g to 3.5g. Use a stylus force gauge for precise adjustment if available.
7. **Adjust Anti-Skate:** Set the anti-skate control on your tonearm to match the tracking force. This prevents the stylus from skipping or favoring one side of the record groove.
8. **Test Playback:** Reconnect power to your turntable and test playback with a record. Listen for clear, balanced sound and ensure the stylus tracks smoothly across the record.

OPERATING INSTRUCTIONS

Once installed and properly adjusted, operate your turntable as usual. Always lower the tonearm gently onto the record to prevent damage to the stylus or record. Avoid dropping the tonearm.

MAINTENANCE

Stylus Cleaning: Regularly clean the stylus using a soft brush designed for stylus cleaning. Brush gently from back to front to remove dust and debris. Do not brush side-to-side.

Cartridge Body Cleaning: Wipe the cartridge body with a soft, dry, lint-free cloth. Avoid using harsh chemicals.

Stylus Inspection: Periodically inspect the stylus for wear or damage. A worn stylus can damage your records and degrade sound quality. Replace the stylus if it appears bent, chipped, or excessively worn.

TROUBLESHOOTING

No Sound or Weak Sound:

- Check all wiring connections between the cartridge and tonearm. Ensure they are secure and correctly matched (color-coded).
- Verify the turntable is connected to the correct input on your amplifier (Phono input).

- Ensure the stylus is properly seated in the cartridge.

Distorted Sound:

- Check tracking force. It might be too light or too heavy.
- Inspect the stylus for dirt or damage. Clean or replace if necessary.
- Ensure the cartridge is correctly aligned in the headshell.

Skipping:

- Check tracking force and anti-skate settings.
- Inspect the record for dust, debris, or scratches. Clean the record if needed.
- Ensure the turntable is on a stable, level surface.

SPECIFICATIONS

Type	Moving magnetic cartridge
Model	M27BS
Output Voltage (at 1k Hz, 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), 2.5 ~ 3.5g (range)
Stylus Tip	Stereo spherical diamond tip
Package Dimensions	3 x 2.25 x 1 inches
Item Weight	0.16 ounces
Manufacturer	MAG

WARRANTY AND SUPPORT

This product includes a 14-day 'any reason' return policy and a 6-month warranty from the date of purchase. For support or warranty claims, please contact your retailer or the manufacturer, MAG.

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

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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