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## MAG M27BS

# MAG M27BS Moving Magnet Cartridge with Diamond Stylus Instruction Manual

For SANSUI SR 717, SR 5090, SR 636 Turntables

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## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your MAG M27BS Moving Magnet Cartridge with Diamond Stylus. This high-quality cartridge is designed to deliver excellent sound performance and is compatible with SANSUI SR 717, SR 5090, and SR 636 turntable models. The M27BS features a stereo spherical diamond tip and offers strong tracking ability, ensuring a superb audio experience.

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## 2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and to prevent damage to the cartridge or your records. Please follow these steps carefully.

### 2.1 Unpacking

Carefully remove the cartridge and any accessories from its packaging. Ensure all components, including the mounting screws, are present.



Image 1: The MAG M27BS cartridge, shown with its protective packaging and the included mounting screws. The cartridge features a red body and a clear stylus guard.

## 2.2 Mounting the Cartridge

1. Ensure your turntable is powered off and unplugged.
2. If replacing an old cartridge, carefully remove it from the headshell. Note the wiring connections.

3. Attach the MAG M27BS cartridge to your turntable's headshell using the provided mounting screws. Ensure it is securely fastened but do not overtighten.
4. Connect the tonearm wires to the corresponding pins on the back of the cartridge. Standard color coding is typically:
  - Red (R): Right channel hot
  - Green (RG): Right channel ground
  - White (L): Left channel hot
  - Blue (LG): Left channel ground



Image 2: Side view of the MAG M27BS cartridge, illustrating the connection pins at the rear for tonearm wiring. The red body and white stylus housing are visible.

### 2.3 Tonearm Balance and Tracking Force

After mounting, it is essential to balance your tonearm and set the correct tracking force.

1. With the stylus guard on, adjust the tonearm counterweight until the tonearm floats freely and level.
2. Set the tracking force dial (if present) to zero without moving the counterweight.
3. Adjust the counterweight or tracking force dial to the recommended tracking force. For the MAG M27BS, the recommended tracking force is **3.0 grams**. The acceptable range is 2.5 to 3.5 grams.
4. Set the anti-skate control to match the tracking force setting.



Image 3: Front view of the MAG M27BS cartridge, highlighting the stereo spherical diamond stylus tip. The protective stylus guard is shown in the up position.

### 3. OPERATING INSTRUCTIONS

Once installed and properly adjusted, your MAG M27BS cartridge is ready for use. Always handle your records and stylus with care to ensure longevity and optimal sound quality.

- Ensure records are clean before playing to prevent dust and debris from damaging the stylus.
- Gently lower the tonearm onto the record using the cueing lever. Avoid dropping the tonearm manually.
- When finished playing, use the cueing lever to lift the tonearm and return it to its rest.

## 4. MAINTENANCE

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Regular maintenance will help preserve the life of your stylus and maintain sound fidelity.

- **Stylus Cleaning:** Periodically clean the stylus tip using a soft stylus brush, brushing gently from back to front (in the direction of play). Do not brush side-to-side. Specialized stylus cleaning fluids can also be used sparingly.
- **Cartridge Body:** Keep the cartridge body free from dust. Use a soft, dry cloth to wipe it clean.
- **Stylus Guard:** Always engage the stylus guard when the turntable is not in use or when moving the tonearm to prevent accidental damage to the stylus.

## 5. TROUBLESHOOTING

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If you experience issues with your MAG M27BS cartridge, consider the following common solutions:

- **Poor Sound Quality / Distortion:**
  - Check that the tracking force is set correctly (3.0g).
  - Ensure the stylus is clean and free of debris.
  - Verify that the cartridge is securely mounted and the tonearm wires are correctly connected.
  - Inspect the stylus for any visible damage or bends.
- **Skipping:**
  - Confirm the tracking force is set correctly.
  - Check the anti-skate setting.
  - Ensure the record is clean and free of scratches.
  - Verify the turntable is level.
- **No Sound or Sound from One Channel:**
  - Check all tonearm wire connections to the cartridge and the turntable's internal wiring.
  - Ensure the amplifier/receiver input is correctly selected and cables are securely connected.

If problems persist, please refer to the Warranty and Support section for assistance.

## 6. SPECIFICATIONS

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Feature	Specification
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 (Range: 2.5 ~ 3.5g)
Stylus Tip	Stereo Spherical Diamond Tip

## 7. WARRANTY AND SUPPORT

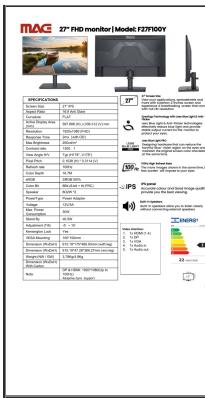
Your MAG M27BS cartridge comes with a **6-month warranty** from the date of purchase, covering manufacturing defects. Additionally, a **14-day "any reason" return policy** is offered.

For technical assistance, fitting advice, or warranty claims, please contact your retailer or the manufacturer's support channel. Please have your purchase details and product model number (M27BS) available when contacting support.

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### Related Documents - M27BS

  	<p><a href="#"><u>Manual del Generador de Gasolina MAG MG3000-MG5500-MG6200E</u></a>  Guía completa para el generador de gasolina MAG (modelos MG3000, MG5500, MG6200E), cubriendo operación, seguridad, mantenimiento y solución de problemas.</p>
	<p><a href="#"><u>Manuale Utente MAG: Metadati Amministrativi e Gestionali</u></a>  Guida completa al Manuale Utente per lo standard MAG (Metadati Amministrativi e Gestionali), sviluppato dall'ICCU per la gestione dei metadati in archivi digitali di beni culturali. Esplora la struttura dello schema, l'uso di XML e l'interoperabilità con standard internazionali.</p>
	<p><a href="#"><u>September 2025 Meal Schedule   MAG</u></a>  MAG's September 2025 meal schedule, featuring daily meal options with carbohydrate counts and an alternate meal schedule for senior centers. Includes information on suggested donations and contact details.</p>



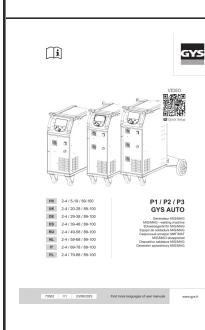
### [MAG F27F100Y 27-inch FHD Monitor | Product Overview](#)

MAG F27F100Y 27-inch FHD monitor overview, detailing its IPS panel, 100Hz refresh rate, EyesErgo technology with Less Blue Light PRO, and Adaptive-Sync support. Includes full specifications and connectivity options.



### [IKA C-MAG Series Operating Manual: Magnetic Stirrers and Hotplates](#)

This operating manual provides comprehensive instructions for the IKA C-MAG series of magnetic stirrers and hotplates, covering safety, operation, maintenance, and technical specifications for models like C-MAG HS4, HP4, HS7, HP7, HS10, HP10, MS4, MS7, and MS10.



### [Manuel d'utilisation GYS P1/P2/P3 AUTO - Machine à souder MIG/MAG](#)

Ce manuel d'utilisation fournit des instructions complètes pour les machines à souder MIG/MAG GYS AUTO (P1, P2, P3), couvrant l'installation, la sécurité, l'utilisation et la maintenance.