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> [MNS](#) /

> MNS Turntable Cartridge and Stylus Instruction Manual for Sansui Turntables

MNS MNS Turntable Cartridge and Stylus

MNS Turntable Cartridge and Stylus Instruction Manual

Brand: MNS | Model: Turntable Cartridge and Stylus

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MNS Moving Magnet Cartridge and Stylus. Designed for high-fidelity audio reproduction, this cartridge delivers excellent, warm sound quality for your turntable system.

Please read these instructions carefully before installation to ensure optimal performance and longevity of your product.



Image 1.1: MNS Turntable Cartridge and Stylus. This image displays the MNS turntable cartridge with its yellow stylus attached, ready for installation onto a tonearm.

2. COMPATIBLE TURNTABLE MODELS

The MNS Turntable Cartridge and Stylus is compatible with a wide range of Sansui turntable models, including but not limited to:

- Sansui SR222
- Sansui P50
- Sansui FRD3
- Sansui FR5080S
- Sansui SR212
- Sansui FRD35
- Sansui FRQ5
- Sansui SR525
- Sansui FRD25
- Sansui SR333
- Sansui FR1080
- Sansui FR3060
- Sansui FR4060
- Sansui SR1050
- Sansui SR2020

For other models, please consult your turntable's manual or contact customer support to confirm compatibility.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and to prevent damage to your records or stylus. Always handle the cartridge and stylus with care.

1. **Power Off Turntable:** Ensure your turntable is powered off and unplugged from the mains electricity before beginning installation.
2. **Remove Old Cartridge (if applicable):** Carefully disconnect the four color-coded wires from the old cartridge. Note their positions (usually Red for Right+, Green for Right-, White for Left+, Blue for Left-). Unscrew the mounting bolts holding the old cartridge to the headshell.
3. **Attach New Cartridge:** Align the MNS cartridge with the mounting holes on your turntable's headshell. Use the provided mounting bolts to secure the cartridge. Do not overtighten; ensure it is snug but not compressed.
4. **Connect Wires:** Connect the four color-coded wires from the tonearm to the corresponding pins on the MNS cartridge. Ensure a firm connection.
 - Red wire: Right channel positive (R+)
 - Green wire: Right channel ground (R-)
 - White wire: Left channel positive (L+)
 - Blue wire: Left channel ground (L-)
5. **Stylus Installation:** The stylus is typically pre-installed. If not, gently slide the stylus assembly onto the cartridge body until it clicks into place. Avoid touching the stylus tip.
6. **Alignment and Tracking Force:**

After mounting, it is essential to properly align the cartridge and set the tracking force (downforce) and anti-skate. Refer to your turntable's instruction manual for specific alignment procedures and recommended tracking force settings. The recommended downforce for this MNS cartridge is **2.5-3.5 grams**.

An alignment protractor and a stylus force gauge are highly recommended for accurate setup.

4. OPERATING INSTRUCTIONS

Once installed and properly aligned, operating your MNS cartridge is straightforward. Always handle your records and turntable components with care.

- **Record Placement:** Place your record gently on the turntable platter. Ensure the record is clean and free of dust.
- **Cueing:** Use the tonearm lift (cueing lever) to gently lower the stylus onto the record's lead-in groove. Avoid dropping the tonearm manually, as this can damage the stylus or record.
- **Playback:** The cartridge will begin to track the grooves, converting vibrations into electrical signals that your amplifier will process into sound.
- **Ending Playback:** At the end of the record, or when you wish to stop playback, use the cueing lever to gently lift the tonearm from the record. Return the tonearm to its rest.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MNS cartridge and stylus.

- **Stylus Cleaning:**

The stylus tip can accumulate dust and debris, which can degrade sound quality and damage records. Gently clean the stylus using a soft stylus brush, brushing from back to front (never side-to-side or front-to-back). Specialized stylus cleaning fluids can also be used sparingly.
- **Record Cleaning:** Keep your records clean. Dust and grime on records can transfer to the stylus, causing wear and poor sound.
- **Stylus Inspection:** Periodically inspect the stylus tip for wear or damage using a magnifying glass. A worn stylus can damage your records and should be replaced promptly.
- **Cartridge Body:** Keep the cartridge body clean and free of dust.

6. TROUBLESHOOTING

If you encounter issues with your MNS cartridge, refer to the following common problems and solutions:

- **No Sound or Weak Sound:**
 - Check all wire connections between the cartridge, tonearm, and amplifier. Ensure they are secure and correctly matched (L+/L-, R+/R-).
 - Verify that your amplifier's input is set to "Phono" and that the phono preamplifier (if external) is powered on.
 - Ensure the stylus is properly seated on the cartridge body.
- **Distorted Sound:**
 - Check the tracking force. It might be too high or too low. Adjust to the recommended 2.5-3.5 grams.
 - Inspect the stylus for dirt or damage. Clean or replace if necessary.
 - Verify cartridge alignment. Incorrect alignment can cause distortion, especially towards the center of the record.
 - Ensure anti-skate is correctly set according to your turntable's manual.
- **Skipping or Jumping:**

- Check tracking force. Increase slightly if too low, but do not exceed the maximum recommended.
- Ensure the turntable is level.
- Inspect records for scratches or debris.
- Check for tonearm bearing friction or damage.

- **Humming or Buzzing Noise:**

- Ensure the turntable is properly grounded to your amplifier.
- Check for loose connections in the signal path.
- Move power cables away from signal cables to reduce interference.

If problems persist, consult your turntable's manual or contact MNS customer support.

7. SPECIFICATIONS

Feature	Specification
Cartridge Type	Moving Magnet (MM)
Frequency Response	20-20,000 Hz
Channel Separation (at 1kHz)	> 15dB
Recommended Downforce (Tracking Force)	2.5-3.5 grams
Brand	MNS
Manufacturer	MNSAT91L
UPC	663431003530
ASIN	B097QDF6KS

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your MNS Turntable Cartridge and Stylus, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

For general inquiries or further assistance, you may refer to the seller's information:

- **Seller:** My Needle Store Intl
- **Seller ID:** A29GORKO0J7KK3
- **Seller Link:** [My Needle Store Intl on Amazon](#)