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> [MANAYO PM5 Phono Preamp Instruction Manual](#)

MANAYO PM5

MANAYO PM5 Phono Preamp Instruction Manual

Model: PM5

Brand: MANAYO

1. INTRODUCTION

Thank you for choosing the MANAYO PM5 Phono Preamp. This professional mini preamplifier is designed to enhance the audio quality from your turntable or vinyl record player, delivering high-fidelity sound with adjustable gain and volume control. Its compact and durable design makes it an ideal addition to any audio setup. Please read this manual carefully before use to ensure proper operation and longevity of your device.

2. SAFETY INFORMATION

- **Power Supply:** Use only the specified 12V 1A power adapter provided with the unit. Using an incorrect power supply may damage the device and void the warranty.
- **Placement:** Place the preamp on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation to prevent overheating.
- **Liquid Exposure:** Do not expose the unit to water or other liquids. If liquid enters the unit, immediately disconnect the power and contact customer support.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosol sprays.
- **Servicing:** Do not attempt to open or service the unit yourself. Refer all servicing to qualified personnel.
- **Grounding:** Ensure proper grounding connections to minimize hum and noise, especially when connecting to a turntable.

3. PACKAGE CONTENTS

- MANAYO PM5 Phono Preamp
- 12V 1A Power Adapter
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel



Figure 1: Front view of the MANAYO PM5 Phono Preamp, highlighting the Gain knob, Volume knob, Headphone Jack, and Power switch.

- **GAIN Knob:** Adjusts the input gain from +6dB to +36dB.
- **VOLUME Knob:** Controls the overall output volume.
- **Headphone Jack:** 3.5mm output for connecting headphones.
- **POWER Switch:** Toggles the unit on/off.
- **Power Indicator LED:** Illuminates when the unit is powered on.

4.2 Rear Panel

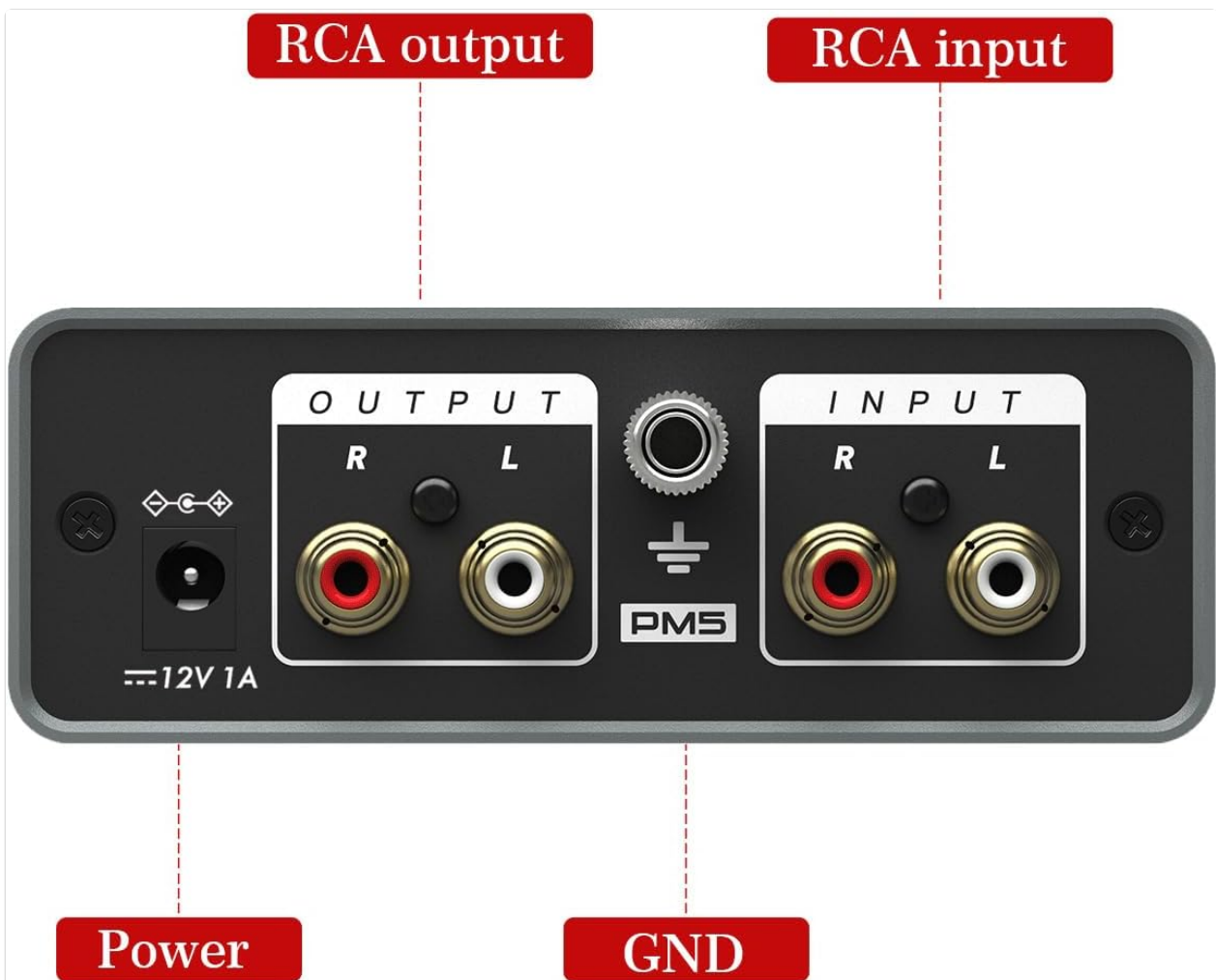


Figure 2: Rear view of the MANAYO PM5 Phono Preamp, showing the DC 12V 1A power input, RCA Output (R/L), Ground terminal, and RCA Input (R/L).

- **DC 12V 1A:** Power input port.
- **OUTPUT (R/L):** RCA stereo output for connecting to an amplifier, receiver, or powered speakers.
- **GND (Ground):** Terminal for connecting the ground wire from your turntable to reduce hum.
- **INPUT (R/L):** RCA stereo input for connecting your turntable.

5. SETUP INSTRUCTIONS

Follow these steps to connect your MANAYO PM5 Phono Preamp to your audio system:

1. **Connect Turntable to Preamp:** Connect the RCA output cables from your turntable to the **INPUT (R/L)** ports on the rear of the PM5 preamp. Ensure the red cable connects to the 'R' (right) input and the white/black cable connects to the 'L' (left) input.
2. **Connect Ground Wire:** If your turntable has a ground wire, connect it to the **GND** terminal on the PM5 preamp. This helps eliminate hum and noise.
3. **Connect Preamp to Amplifier/Speakers:** Connect the **OUTPUT (R/L)** ports on the rear of the PM5 preamp to the RCA input (e.g., 'Aux In', 'Line In') on your amplifier, receiver, or powered speakers. Match red to 'R' and white/black to 'L'.
4. **Connect Power:** Plug the 12V 1A power adapter into the **DC 12V 1A** port on the rear of the PM5 preamp, then plug the adapter into a wall outlet.



Figure 3: Connection diagram for the MANAYO PM5 Phono Preamp with a turntable and speakers.

Video 1: Official MANAYO video demonstrating the setup and connection of the phono preamp to a turntable and speakers. This video provides a visual guide to the connection process.

6. OPERATING INSTRUCTIONS

1. **Power On:** Flip the **POWER** switch on the front panel to the 'ON' position. The power indicator LED will light up.
2. **Adjust Gain:** Use the **GAIN** knob to adjust the input sensitivity. This allows you to match the output level of your turntable cartridge to the preamp, optimizing signal-to-noise ratio. Start with a lower gain setting and gradually increase it until you achieve a clear, strong signal without distortion. The adjustable range is +6dB to +36dB.
3. **Adjust Volume:** Use the **VOLUME** knob to control the overall output level of the preamp. Adjust this to your desired listening volume.
4. **Headphone Use:** For private listening, plug your 3.5mm headphones into the **Headphone Jack** on the front panel. The headphone output is controlled by the VOLUME knob.



Figure 4: Detailed views of the Gain and Volume control knobs.

Video 2: Official MANAYO video demonstrating the use of the gain and volume controls, and headphone connection. This video illustrates how to fine-tune your audio output.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the exterior of the preamp with a soft, dry, lint-free cloth to remove dust. Avoid using harsh chemicals or abrasive materials.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are neatly organized and not kinked or strained to prevent damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Unit not powered on Incorrect connections Volume too low Turntable not playing	Ensure power switch is ON and LED is lit Check all RCA and ground connections Increase VOLUME knob Ensure turntable is properly set up and playing
Humming or buzzing noise	Improper grounding Interference from other electronics Loose connections	Ensure turntable ground wire is securely connected to the PM5 GND terminal Move preamp away from other electronic devices Check all RCA cables for secure fit

Problem	Possible Cause	Solution
Distorted sound	Gain too high Volume too high Damaged cables	Reduce GAIN knob setting Reduce VOLUME knob setting Try different RCA cables
Weak or low sound	Gain too low Volume too low Incorrect turntable output type	Increase GAIN knob setting Increase VOLUME knob setting Ensure your turntable requires a phono preamp (some have built-in preamps)

9. SPECIFICATIONS

- **Model:** PM5
- **Product Dimensions:** 8.11 x 4.84 x 1.54 inches
- **Item Weight:** 1.22 pounds
- **Manufacturer:** MANAYO
- **Country of Origin:** China
- **Input:** RCA (L/R)
- **Output:** RCA (L/R), 3.5mm Headphone Jack
- **Gain Range:** +6dB to +36dB (Adjustable)
- **Total Harmonic Distortion:** Less than 0.01%
- **Signal-to-Noise Ratio:** 78dB
- **Power Supply:** DC 12V 1A

10. WARRANTY AND SUPPORT

MANAYO products are designed and manufactured to the highest quality standards. For warranty information, technical support, or any questions regarding your PM5 Phono Preamp, please refer to the contact information provided on the product packaging or visit the official MANAYO website. Please retain your proof of purchase for warranty claims.