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› MANAYO PM5BT Bluetooth Phono Turntable Preamp User Manual

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MANAYO PM5BT Bluetooth Phono Turntable Preamp User Manual

Model: PM5BT | Brand: MANAYO

INTRODUCTION

The MANAYO PM5BT is a versatile Bluetooth phono preamplifier designed to enhance your vinyl listening experience. It provides necessary gain and equalization for MM turntables, ensuring clear and lossless sound quality. With its Bluetooth 5.3 transmission function, you can connect your record player to high-end Bluetooth speakers, offering modern convenience without compromising audio fidelity. The unit also features adjustable bass and treble controls for personalized sound.

WHAT'S IN THE BOX

- MANAYO PM5BT Bluetooth Phono Preamp Unit
- Power Adapter (DC 12V 1A)
- Bluetooth Antenna
- RCA Cables
- User Manual (Quick Start Guide)
- Anti-slip Pads

PRODUCT OVERVIEW



Figure 1: MANAYO PM5BT Bluetooth Phono Preamp

Front Panel Controls



Figure 2: Front Panel of the PM5BT Preamp

- **Bass Control Knob:** Adjusts the low-frequency audio output (-12 to +12).
- **Treble Control Knob:** Adjusts the high-frequency audio output (-12 to +12).
- **Volume Control Knob:** Adjusts the overall output volume (Min to Max).
- **Headphone Jack:** 3.5mm output for connecting headphones.
- **Power Switch:** Toggles the unit ON/OFF. Also switches between ON/BT (Bluetooth) and ON (AUX/Line) modes.
- **LED Indicator:** Displays power status and Bluetooth connection status (green for ON, blue for Bluetooth connected).

Rear Panel Connections

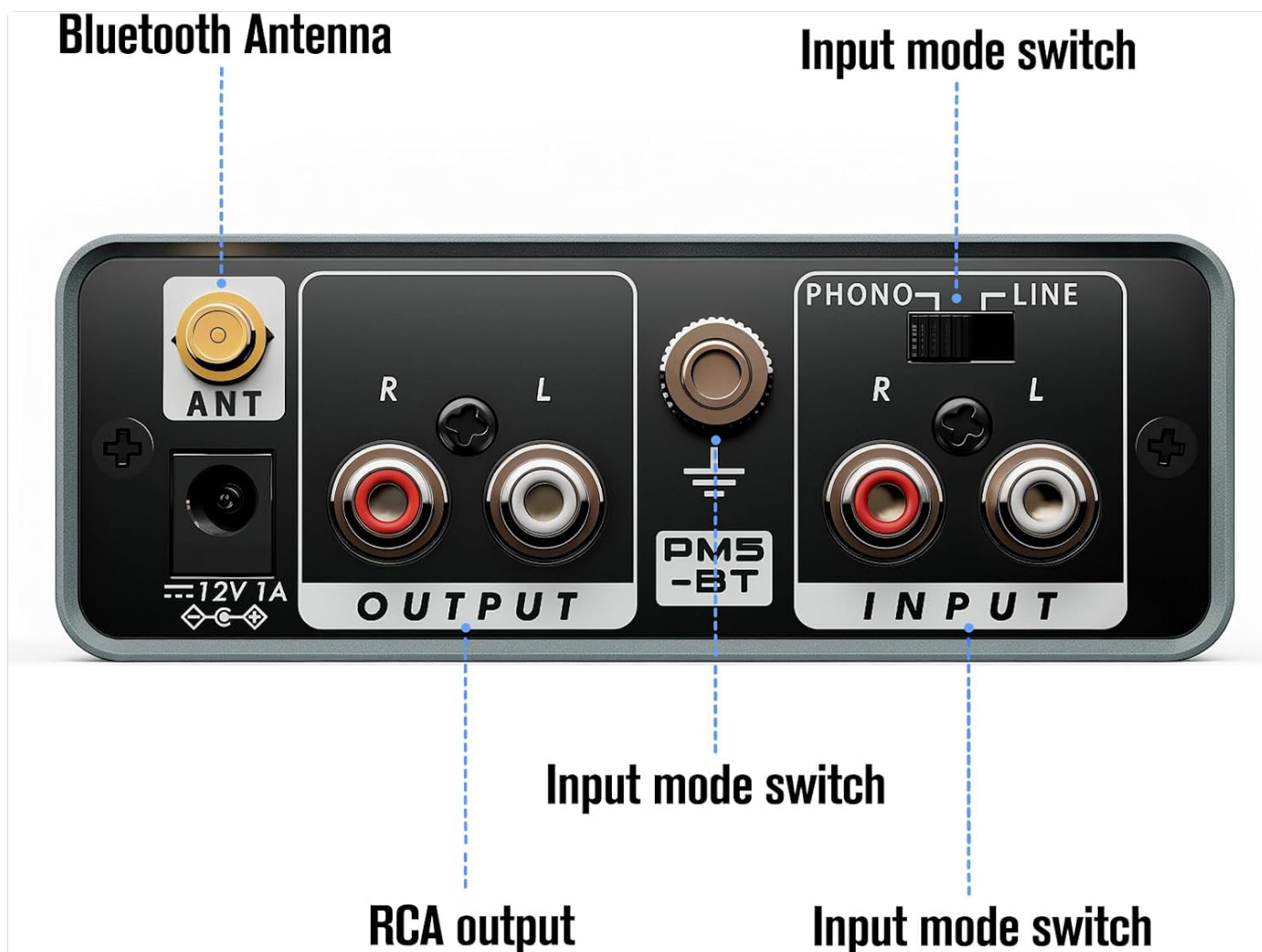


Figure 3: Rear Panel of the PM5BT Preamp

- **Bluetooth Antenna Port:** Connect the provided Bluetooth antenna for wireless connectivity.
- **DC 12V 1A Power Input:** Connect the included power adapter.
- **RCA Output (L/R):** Connect to your amplifier, powered speakers, or audio receiver.
- **Ground Terminal:** Connect the ground wire from your turntable to reduce hum and noise.
- **RCA Input (L/R):** Connect to the RCA output of your turntable.
- **Phono/Line Mode Switch:** Selects the input mode based on your turntable's output.

SETUP

1. **Connect Turntable:** Connect the RCA output cables from your turntable to the RCA Input (L/R) ports on the PM5BT. If your turntable has a ground wire, connect it to the Ground Terminal on the preamp.
2. **Select Input Mode:** Use the Phono/Line Mode Switch on the rear panel to match your turntable's output.
 - If your turntable has a built-in phono preamp (Line level output), set the switch to "LINE". The PM5BT will provide a fixed gain of 4dB.
 - If your turntable does NOT have a built-in phono preamp (Phono level output), set the switch to "PHONO". The PM5BT will provide a fixed gain of 36dB.

Improve the audio quality of your turntable by add fix gain

Phono Mode: Boost up the gain by **36db**

Line Mode: Boost up the gain by **4db**



Figure 4: Phono/Line Mode Switch

3. **Connect Output:** Connect the RCA Output (L/R) ports of the PM5BT to the RCA input of your amplifier, powered speakers, or audio receiver using the provided RCA cables.
4. **Attach Bluetooth Antenna:** Screw the included Bluetooth antenna into the "ANT" port on the rear panel.
5. **Connect Power:** Plug the DC 12V 1A power adapter into the power input port on the rear of the PM5BT, then plug the adapter into a wall outlet.
6. **Apply Anti-slip Pads:** Attach the anti-slip pads to the bottom of the unit to ensure stability.



Figure 5: Typical Connection Diagram

OPERATING INSTRUCTIONS

1. **Power On:** Flip the Power switch on the front panel to the "ON" position. The LED indicator will light up green.
2. **Select Output Mode:**
 - For wired output (RCA or Headphone), keep the Power switch in the "ON" (middle) position.
 - For Bluetooth transmission, flip the Power switch to the "ON/BT" (top) position. The LED indicator will flash blue, indicating pairing mode.
3. **Bluetooth Pairing (if applicable):**
 - Ensure the PM5BT is in "ON/BT" mode (flashing blue LED).
 - Enable Bluetooth on your receiving device (e.g., Bluetooth speaker, headphones).
 - Search for "MANAYO PM5BT" in your device's Bluetooth list and select it to pair.
 - Once connected, the LED indicator will turn solid blue.

- *Note:* The PM5BT acts as a Bluetooth transmitter. It sends audio from your turntable to a Bluetooth receiver.

4. **Adjust Volume:** Rotate the Volume control knob on the front panel to achieve your desired listening level.
5. **Adjust Tone:** Use the Bass and Treble control knobs to fine-tune the audio output to your preference.
6. **Headphone Use:** Plug your headphones into the 3.5mm Headphone Jack on the front panel for private listening.
7. **Power Off:** Flip the Power switch to the "OFF" position when not in use.

MAINTENANCE

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the unit to prevent overheating.
- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Disconnect power when the unit is not in use for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Unit is not powered on. Incorrect Phono/Line switch setting. Cables are not connected properly. Volume is too low on preamp or connected device.	Ensure Power switch is "ON". Verify Phono/Line switch matches turntable output. Check all RCA and power connections. Increase volume on the PM5BT and your amplifier/speakers.
Humming or buzzing noise.	Ground wire not connected or loose. Interference from other electronic devices.	Connect or secure the turntable's ground wire to the PM5BT's ground terminal. Move the preamp away from other electronics.
Bluetooth pairing issues.	PM5BT not in pairing mode. Receiving device too far or not in pairing mode. Interference.	Ensure Power switch is on "ON/BT" and LED is flashing blue. Place devices closer together and ensure receiving device is in pairing mode. Restart both devices.
Sound is distorted or too quiet/loud.	Incorrect Phono/Line switch setting. Volume/Tone knobs set incorrectly.	Double-check Phono/Line switch setting based on your turntable's output type. Adjust Bass, Treble, and Volume knobs.

SPECIFICATIONS

- **Model:** PM5BT
- **Gain:** Phono mode: +36dB | Line mode: +4dB
- **Power Adapter Output:** DC 12V 1A
- **Power Adapter Input Voltage:** AC 100-240V 50/60Hz
- **Input Sensitivity:** -24dB
- **Output Voltage Level:** 6V
- **Load Impedance:** Phono: 2.7MΩ | Line: 30KΩ
- **SNR (Signal-to-Noise Ratio):** Phono: >-78dB | Line: >-102dB
- **THD (Total Harmonic Distortion):** < 0.01%

- **Frequency Response:** 20-20KHz
- **Product Weight:** 1.39 pounds (630g)
- **Product Dimensions:** 8.11 x 4.84 x 1.54 inches (206 x 123 x 39mm)
- **Bluetooth Version:** 5.3
- **Compatible Devices:** Turntable
- **Connector Type:** RCA
- **Color:** Gray

WARRANTY AND SUPPORT

MANAYO products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please refer to the contact information provided with your purchase or visit the official MANAYO website. Please retain your proof of purchase for warranty claims.

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

Anonymous

Email

you@example.com

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

Answered questions about this manual

Why is my MANAYO PM5BT not transmitting sound to my Bluetooth speakers, and how do I pair it with speakers that do not have an interface screen?

An interface screen is not required on your Bluetooth speakers to pair them with the MANAYO PM5BT. Since the PM5BT acts as a Bluetooth transmitter, it is designed to automatically find and connect to...

[Read full answer](#)

