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> [AIYIMA T3 PRO MM/MC Phono Preamp RIAA Equalization for Turntable/Vinyl Record Player/Home Stereo Amplifier/Speaker,Professional Phonograph Preamplifier With 39dB Gain &Volume Adjust & AC Power adapter](#)

## AIYIMA T3PRO

# AIYIMA T3 PRO MM/MC Phono Preamp User Manual

Brand: AIYIMA

Model: T3PRO

## 1. INTRODUCTION

The AIYIMA T3 PRO is a versatile MM/MC phono preamplifier designed to enhance the audio quality from your turntable. It features RIAA equalization, adjustable gain, and volume control, making it compatible with a wide range of turntables, home stereo amplifiers, and speakers. Its robust aluminum construction ensures durability and minimizes interference for superior sound.

This manual provides detailed instructions for setting up, operating, and maintaining your AIYIMA T3 PRO to ensure optimal performance.



Figure 1: Front view of the AIYIMA T3 PRO Phono Preamp.

## 2. PRODUCT FEATURES

- **Suitable For MM and MC Cartridges:** Utilizes 4 pcs Op-Amps and supports multiple resistance adjustments, compatible with both Moving Magnet (MM) and Moving Coil (MC) cartridges.
- **Front-Sided Gain Control:** Offers 0-39dB gain settings switchable from the front panel.
- **Impedance Settings Adjustable:** Eight variable input impedance settings available for MC cartridges (not suitable for MM cartridges), allowing sound signature customization.
- **Unique Exterior Design:** Aluminum/metal housing prevents vibration and electromagnetic interference

for superior sound quality.

- **Professional Phonograph Preamplifier:** Supports only MM/MC Phono single input. RCA audio signal outputs can be directed to active speakers or home audio amplifiers.

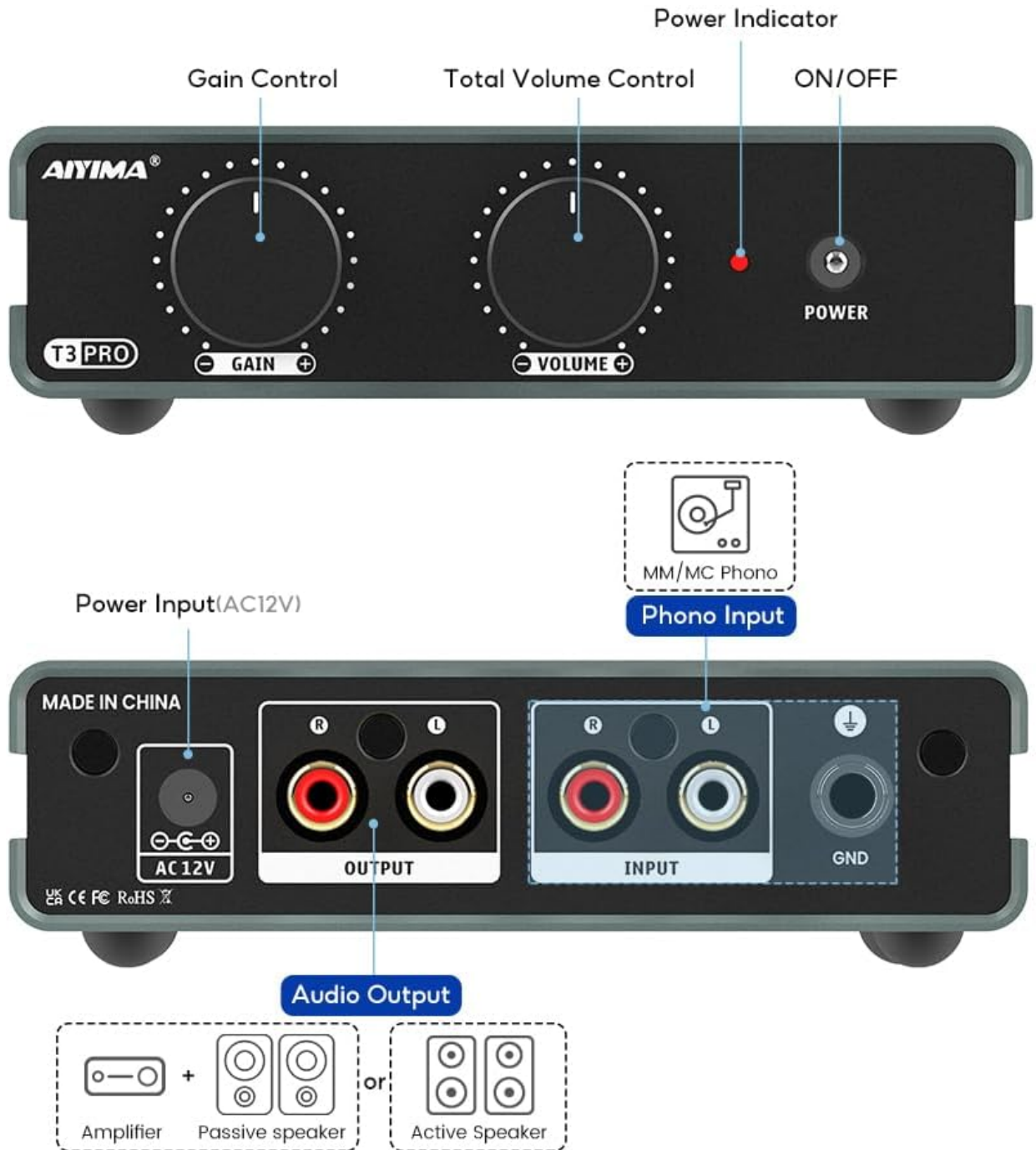


Figure 2: Overview of the AIYIMA T3 PRO front and rear panels, highlighting controls and connections.

### 3. SETUP GUIDE

#### 3.1 What's Included?

- One AIYIMA T3 PRO Phono Preamp
- One 12V AC Power Adapter

#### 3.2 Connections

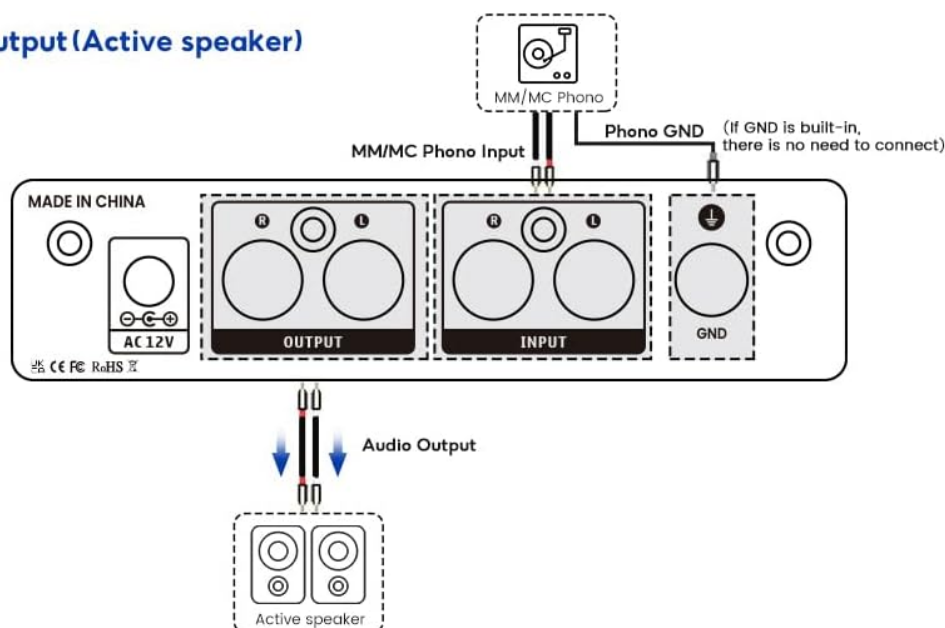
The AIYIMA T3 PRO offers flexible connection options for various audio setups.

##### Connecting to Active Speakers:

Connect your MM/MC turntable to the **INPUT** RCA jacks on the T3 PRO. If your turntable has a ground wire,

connect it to the **GND** terminal. Then, connect the **OUTPUT** RCA jacks of the T3 PRO directly to your active speakers.

### 1 Audio Output (Active speaker)



### 2 Audio Output (Amplifier+Passive speaker)

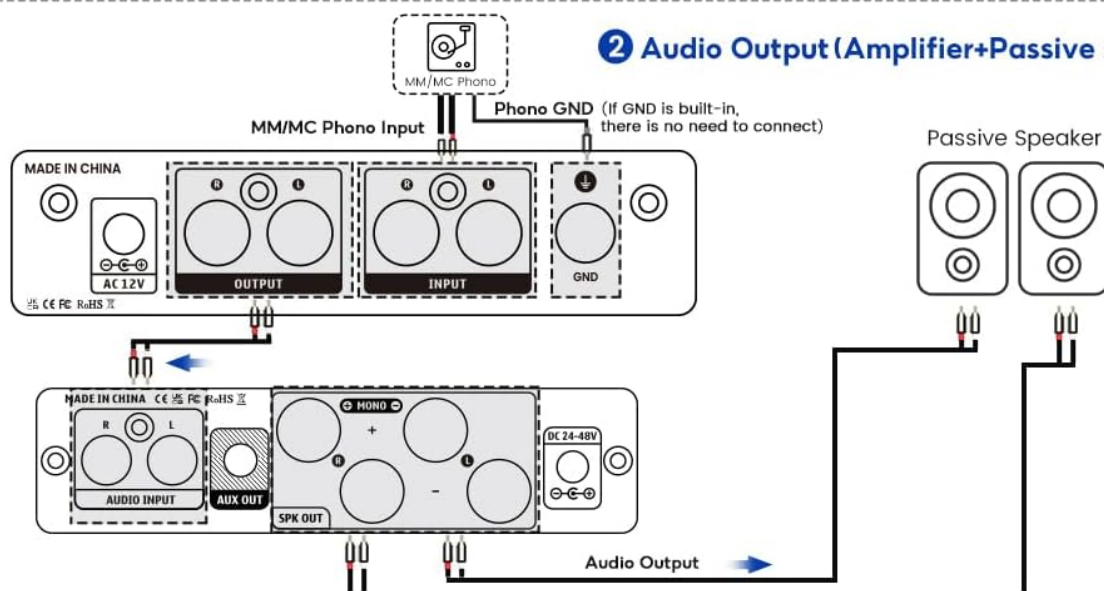


Figure 3: Diagram showing how to connect the T3 PRO to active speakers.

### Connecting to an Amplifier and Passive Speakers:

Connect your MM/MC turntable to the **INPUT** RCA jacks on the T3 PRO. If applicable, connect the turntable's ground wire to the **GND** terminal. Connect the **OUTPUT** RCA jacks of the T3 PRO to an available input on your home audio amplifier (e.g., AUX, CD input). Finally, connect your passive speakers to the amplifier's speaker outputs.

# Active Speaker Output

Ultra low noise MM/MC Phono preamplifier that can convert Phono signals into line level signals

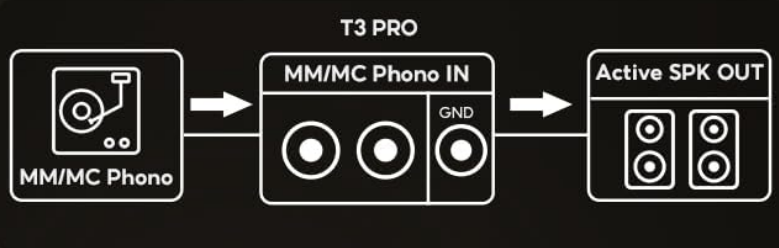


Figure 4: Diagram illustrating the connection of the T3 PRO to an amplifier and passive speakers.

### 3.3 MM/MC Switch and MC Input Impedance Settings

The T3 PRO supports both Moving Magnet (MM) and Moving Coil (MC) cartridges. The selection is made via dip switches located on the bottom of the unit.

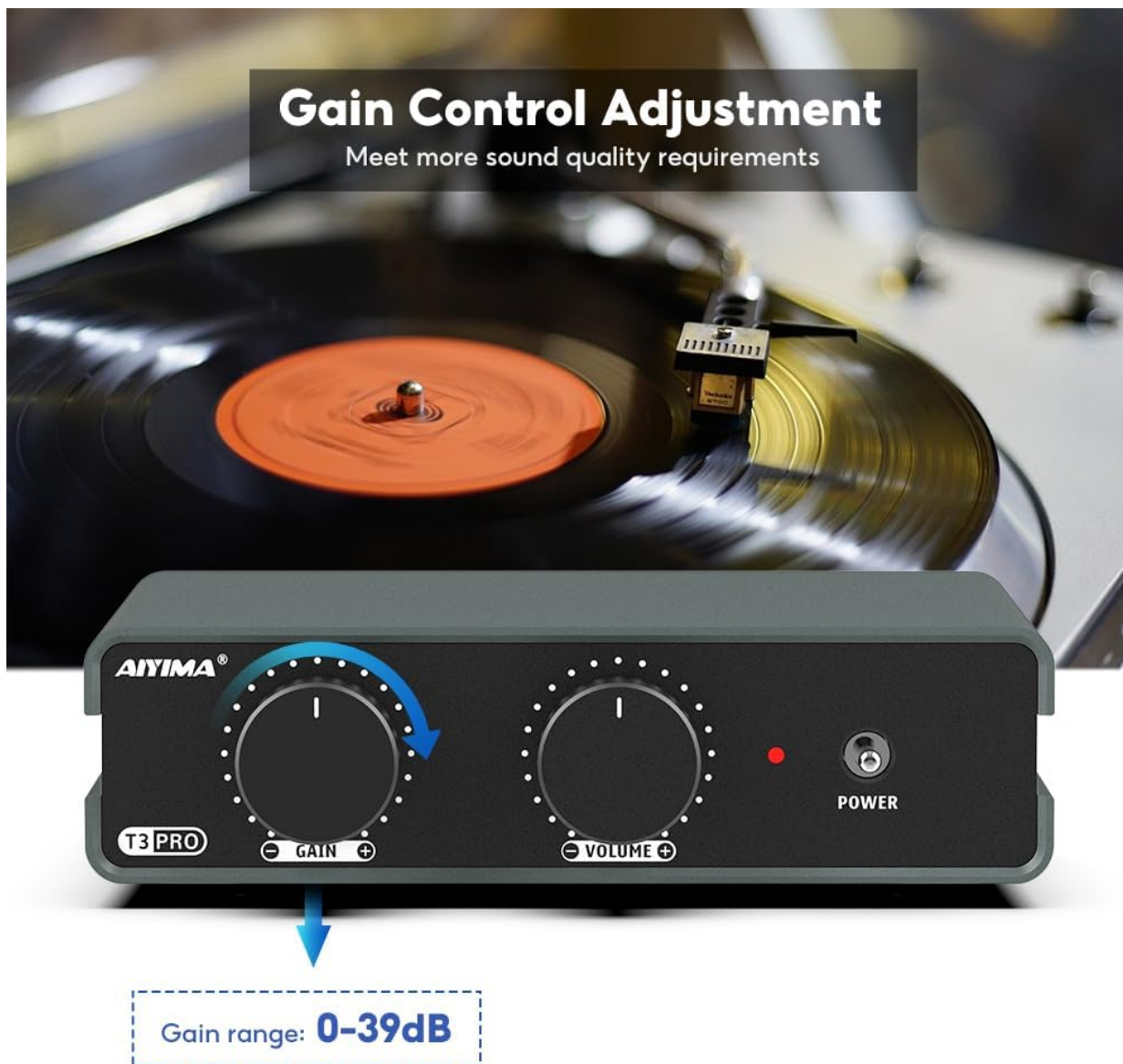


Figure 5: Detailed view of the MM/MC and impedance setting dip switches on the bottom of the unit.

- **MM Mode:** Ensure switch #9 is in the **ON** position.
- **MC Mode:** Ensure switch #9 is in the **OFF** position.

For MC cartridges, you can adjust the input impedance using switches #1-8. Refer to the diagram on the bottom of the unit for specific impedance values corresponding to each switch combination. *Note: Impedance settings are only applicable for MC cartridges.*

Additionally, there is a toggle switch for **FLAT** (full range) or **HPF** (High Pass Filter) output. Select **FLAT** for a full frequency response or **HPF** to filter out low-frequency rumble.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

Use the toggle switch labeled "POWER" on the front panel to turn the unit on or off. The power indicator light will illuminate when the unit is on.

### 4.2 Gain Control

The "GAIN" knob on the front panel allows you to adjust the input gain from 0dB to 39dB. Rotate clockwise to increase gain and counter-clockwise to decrease it. Adjust this setting to match the output level of your turntable's cartridge and achieve optimal signal strength without distortion.

# MM/MC Switch And MC Input Impedance Settings

Supports both MM and MC cartridges, as well as switchable 75Ω/ 82Ω/100Ω/ 330Ω/ 510Ω/ 910Ω/1KΩ/8.2KΩ input impedance design

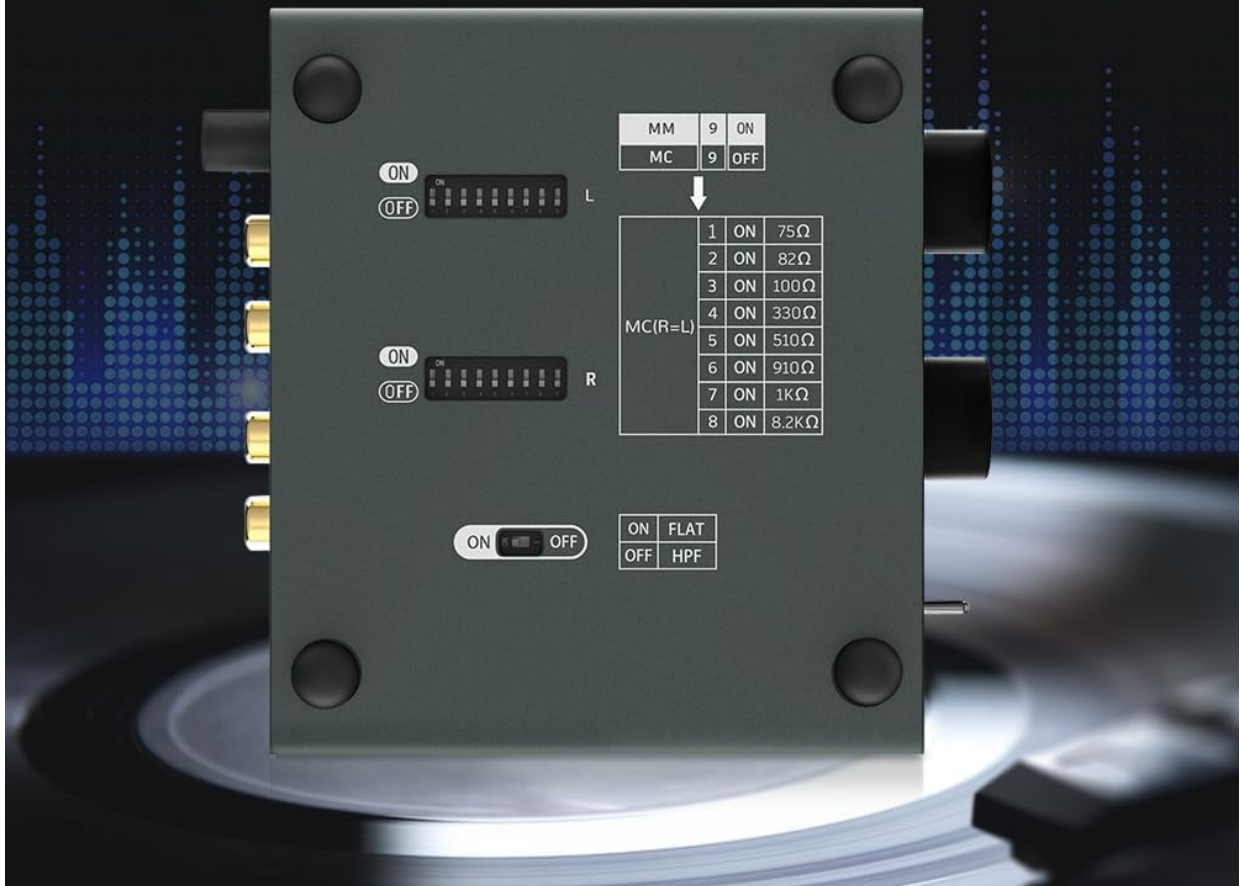


Figure 6: Adjusting the Gain Control on the front panel.

## 4.3 Volume Control

The "VOLUME" knob controls the overall output volume of the preamplifier. Adjust this to your desired listening level. This knob controls the volume of the rear stage outputs.

## 5. TECHNICAL SPECIFICATIONS

Specification	Value
Package Dimensions	9.57 x 6.57 x 2.52 inches
Item Weight	1.76 pounds
Manufacturer	AIYIMA TECH
Item Model Number	T3PRO
Country of Origin	China
Input Sensitivity (MM mode)	5mV

Specification	Value
Input Sensitivity (MC mode)	0.5mV
Gain Range	0-39dB

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your AIYIMA T3 PRO, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive cleaners, as they may damage the finish.
- **Ventilation:** Ensure the ventilation slots on the sides of the unit are not obstructed to prevent overheating.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.

## 7. TROUBLESHOOTING

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If you encounter any issues with your AIYIMA T3 PRO, refer to the following common troubleshooting steps:

- **No Sound:**
  - Ensure the power adapter is securely connected and the unit is powered on (red indicator light).
  - Verify all RCA cables are correctly connected to the INPUT and OUTPUT jacks.
  - Check the MM/MC switch setting on the bottom of the unit matches your turntable's cartridge type.
  - Confirm the volume knob is turned up and the gain is set appropriately.
  - Ensure your amplifier/active speakers are powered on and set to the correct input.
- **Humming/Buzzing Noise:**
  - Ensure the turntable's ground wire (if applicable) is securely connected to the T3 PRO's GND terminal.
  - Try moving the T3 PRO and associated cables away from other electronic devices that might cause interference.
  - Check for loose connections in your audio chain.
  - Ensure the power adapter is the original supplied unit and not faulty.
- **Distorted Sound:**
  - Reduce the GAIN setting on the T3 PRO.
  - Check the volume level on your amplifier/active speakers.
  - Ensure the MM/MC switch is correctly set for your cartridge.
  - For MC cartridges, verify the impedance settings are appropriate.

If the issue persists after trying these steps, please contact AIYIMA customer support for further assistance.

## 8. OFFICIAL PRODUCT VIDEO

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Watch the official product video for a detailed overview of the AIYIMA T3 PRO and its features.

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*Video 1: Take an in-depth look at the entire AIYIMA T3 PRO. This video provides a comprehensive visual guide to the product's design, features, and functionality.*

## 9. WARRANTY AND SUPPORT

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The AIYIMA T3 PRO comes with a **2-Year Warranty** from the date of purchase, as indicated by the manufacturer's brand story. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any inquiries regarding your AIYIMA T3 PRO, please visit the official AIYIMA website or contact their customer service department. Refer to the product packaging or the AIYIMA brand store on Amazon for specific contact details.

**AIYIMA Store Link:** [Explore HiFi Never End](#)