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AIYIMA Tube T3 MM Phono Preamplifier Instruction Manual

Model: AIYIMA T3 | Brand: AIYIMA

1. SAFETY INFORMATION

This product is a preamplifier and is not an audio amplifier. Ensure proper connections and power supply to prevent damage. Do not expose to moisture or extreme temperatures. Handle vacuum tubes with care during installation and replacement.

2. PACKAGE CONTENTS

- AIYIMA Tube T3 MM Phono Preamplifier Unit
- DC 12V Power Adapter
- 2 x 6A2 Vacuum Tubes (pre-installed or packaged separately)
- RCA Cable
- User Manual
- Cleaning Cloth
- Certificate

3. PRODUCT OVERVIEW

The AIYIMA Tube T3 is a versatile HiFi tube MM phono preamplifier designed to enhance your audio experience. It features multiple input methods, gain adjustment, and a compact, robust design.



Figure 1: AIYIMA Tube T3 Preamplifier with dimensions (116mm D x 95mm W x 33mm H).



Figure 2: Rear panel showing DC 12V power input, Audio Output (RCA), MM Input (RCA), and Ground (GND) terminal.

Video 1: Overview of the AIYIMA TUBE T3 Vacuum Phono Preamp, demonstrating its features and connections.

4. SETUP INSTRUCTIONS

- 1. Tube Installation:** Carefully insert the provided 6A2 vacuum tubes into the tube sockets on the top panel. Ensure the pins align with the holes. Use the cleaning cloth or gloves to avoid touching the glass directly, as oils can affect tube lifespan.

Experience warm and smooth sound

You can change the tubes to explore and enjoy the unique sound quality of different tubes.



Figure 3: Gently inserting the vacuum tubes into their designated sockets on the preamplifier.

2. Connect Audio Input:

- **MM Turntable:** Connect your MM turntable's RCA output to the 'MM INPUT' RCA jacks on the rear panel. Connect the turntable's ground wire to the 'GND' terminal on the preamp.
- **3.5mm AUX Input:** Connect your audio source (e.g., phone, tablet, computer) to the 3.5mm 'IN' jack on the front panel.



Figure 4: Diagram illustrating various input and output connections for the AIYIMA Tube T3.

3. **Connect Audio Output:** Connect the 'OUTPUT' RCA jacks on the rear panel to your active speakers or amplifier using RCA cables.
4. **Power Connection:** Connect the DC 12V power adapter to the 'DC 12V' input on the rear panel, then plug the adapter into a power outlet.

5. OPERATING INSTRUCTIONS

1. **Power On/Off:** Use the power switch on the front panel to turn the unit on or off. The tubes will glow when powered on.
2. **Input Selection:** Use the input selector switch on the front panel to choose between 'MM' (for turntable) or 'AUX' (for 3.5mm input).
3. **Gain Adjustment:** The AIYIMA T3 features a gain adjustment switch with settings for 39dB, 42dB, and 45dB. Adjust this according to your turntable's output and desired volume level.

MM Turntable Preamplifier

A good choice for vinyl turntables,
allowing you to experience the original audio.



Figure 5: Front panel showing the gain adjustment switch with 39dB, 42dB, and 45dB options.

4. **Volume Control:** Use the main volume knob on the front panel to adjust the overall output volume.
5. **Headphone Output:** Plug your headphones into the 3.5mm headphone jack on the front panel for private listening.

Video 2: Demonstration of the AIYIMA T3 Phono preamp matching an A07 Amplifier, showcasing its operation.

6. FEATURES

- **Multiple Input Methods:** Supports MM signal input for turntables and 3.5mm AUX input for various audio devices.
- **Versatile Use:** Functions as both an MM phono preamp and a tube preamp for amplifiers, compatible with record players, CD players, DACs, phones, TVs, MP3 players, and computers.
- **Tube Rolling Capability:** Comes with a pair of 6A2 tubes, which can be replaced with compatible tubes like 6K4/6J1/6J2/6J4/GE5654/6AK5/6*1n to customize sound characteristics.
- **Gain Adjustment:** Features a gain adjustment switch (39dB, 42dB, 45dB) to match different audio signals and optimize output.
- **Robust Construction:** Built with a solid aluminum alloy chassis and exquisite design for durability, HiFi sound quality, and low noise.

7. SPECIFICATIONS

Input Voltage	12 Volts (DC)
Mounting Type	Tabletop Mount
Material	Aluminum alloy chassis, Metal
Model Name	TUBE T3
Recommended Uses	For Music Players, Home entertainment systems, Turntable setup
Compatible Devices	Personal Computer, Television
Surround Sound Channel Configuration	2.0
Color	Black
Product Dimensions	3.86"D x 4.67"W x 1.3"H
Item Weight	550 Grams (1.21 pounds)
Signal-to-Noise Ratio	98 dB
Frequency Response	20 Hz
Connectivity Technology	Auxiliary, RCA
Audio Output Mode	Stereo

8. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the unit. Avoid liquid cleaners.
- Tube Replacement:** If replacing tubes, ensure the unit is powered off and unplugged. Handle new tubes carefully by their base, avoiding contact with the glass. Align pins correctly before gently inserting.
- Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.

9. TROUBLESHOOTING

- No Sound:** Check all cable connections (input, output, power). Ensure the correct input source is selected. Verify volume levels on both the preamp and connected audio system.
- Hum/Noise:** Ensure the turntable's ground wire is properly connected to the 'GND' terminal on the preamp. Check for interference from other electronic devices or power cables.
- Distorted Sound:** Reduce the gain setting or volume level. Check if the tubes are correctly seated or if they need replacement.
- Tubes Not Glowing:** Ensure the unit is powered on and the tubes are correctly installed. If issues persist, contact support.

10. WARRANTY AND SUPPORT

AIYIMA products typically come with a 1-year warranty. For technical support, warranty claims, or further assistance, please refer to the contact information provided in your product packaging or visit the official AIYIMA website.