

AIYIMA AIYIMA T5

AIYIMA T5 Tube Phono Amplifier User Manual

Model: AIYIMA T5

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your AIYIMA T5 Tube Phono Amplifier. Please read this manual thoroughly before using the device to ensure proper function and longevity. The AIYIMA T5 is a versatile 2.0 channel stereo amplifier featuring tube amplification, a built-in phono stage for turntables, Bluetooth 5.0 connectivity, and a headphone output, designed for home audio systems.



Figure 1: Front view of the AIYIMA T5 Tube Phono Amplifier. This image displays the compact black amplifier unit with two visible vacuum tubes, a VU meter, and control knobs for volume, treble, and bass, along with input selection buttons and a headphone jack.

2. SAFETY INSTRUCTIONS

- Ensure the power adapter is correctly connected to the amplifier and a suitable power outlet.
- Do not expose the unit to water, moisture, or extreme temperatures.
- Avoid placing the unit in direct sunlight or near heat sources.
- Do not open the amplifier casing. Refer all servicing to qualified personnel.
- Keep the unit away from strong magnetic fields.
- Unplug the power adapter during lightning storms or when unused for extended periods.
- Ensure proper ventilation around the unit to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- AIYIMA T5 Tube Phono Amplifier Unit
- DC 36V 6A Power Adapter
- Bluetooth Antenna
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel Controls and Indicators

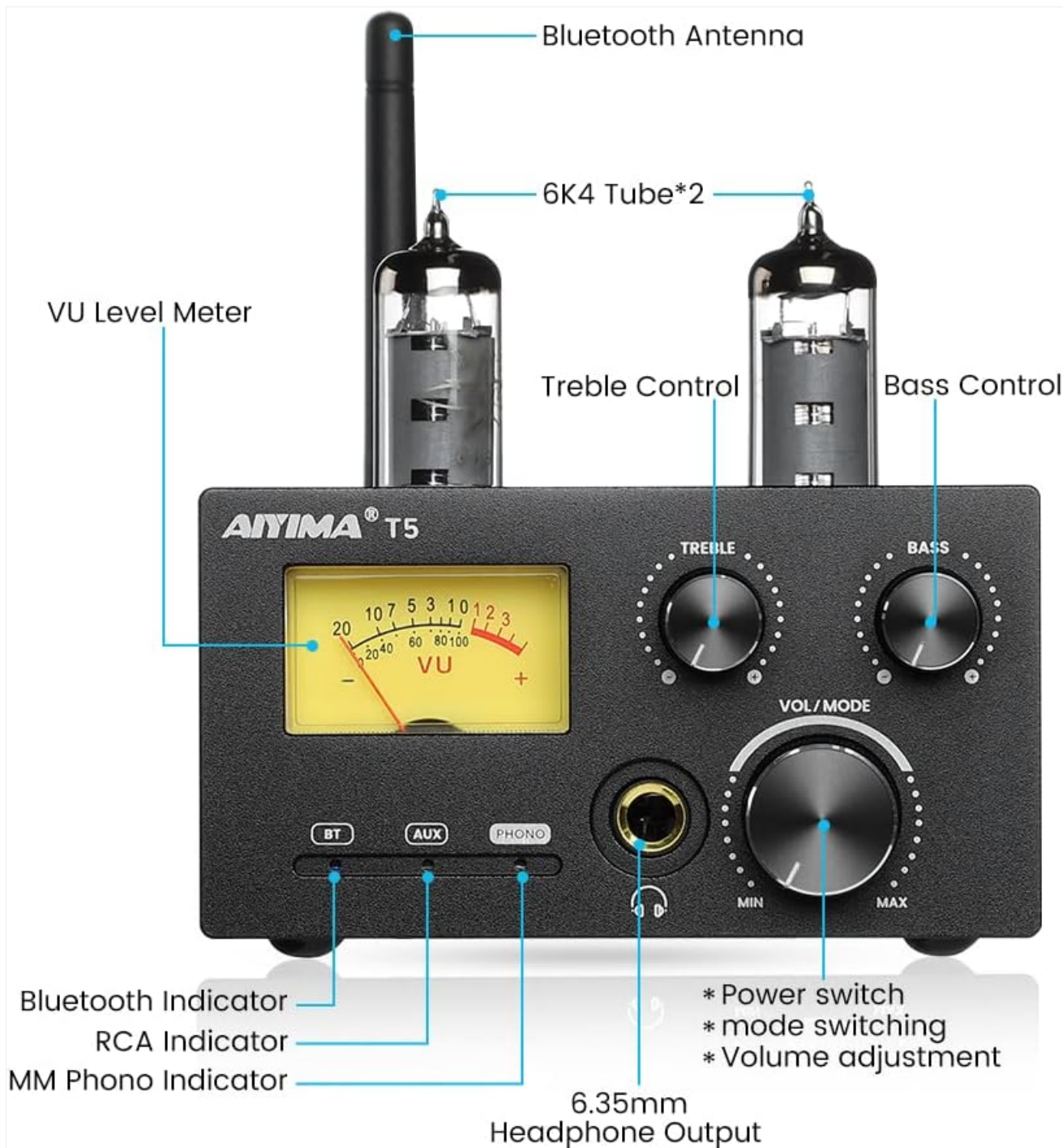


Figure 2: Labeled diagram of the AIYIMA T5 front panel. This image highlights the Bluetooth antenna, 6K4 vacuum tubes, VU level meter, Treble control, Bass control, Volume/Mode knob (which also functions as a power switch and input selector), 6.35mm Headphone Output, and input indicator buttons for Bluetooth, AUX (RCA), and MM Phono.

- **Bluetooth Antenna:** For wireless audio reception.
- **6K4 Tube * 2:** Vacuum tubes for audio signal processing.

- **VU Level Meter:** Displays audio output level.
- **Treble Control:** Adjusts high-frequency response.
- **Bass Control:** Adjusts low-frequency response.
- **VOL/MODE Knob:** Controls volume, acts as power switch (press), and input selector (rotate).
- **6.35mm Headphone Output:** For connecting headphones.
- **BT Indicator:** Illuminates when Bluetooth input is selected.
- **AUX Indicator:** Illuminates when RCA input is selected.
- **PHONO Indicator:** Illuminates when MM Phono input is selected.

4.2 Rear Panel Connections

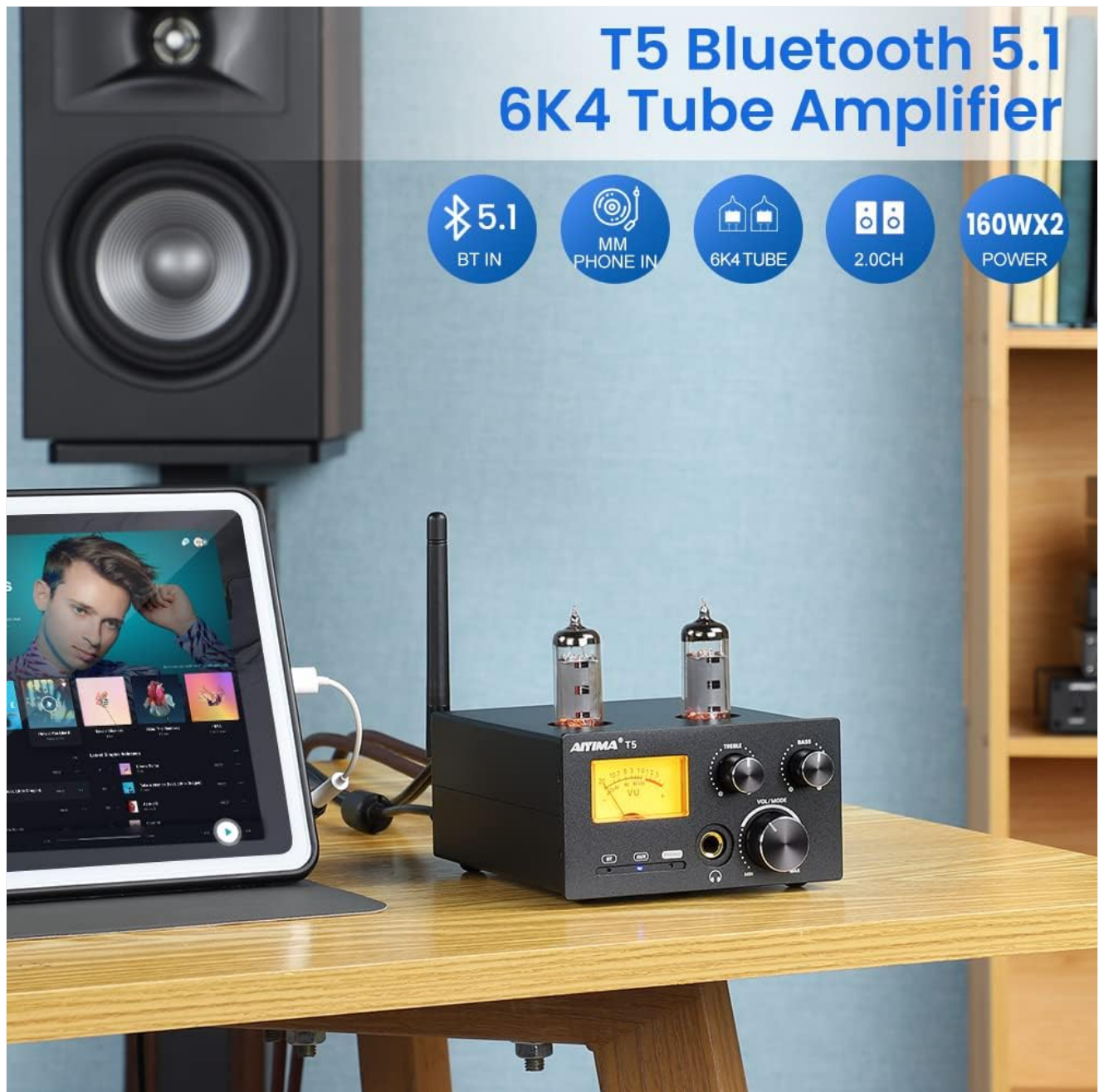


Figure 3: Labeled diagram of the AIYIMA T5 rear panel. This image shows the MM Phono input, RCA input, Audio Output terminals for passive speakers, 3.5mm AUX Output, GND (ground) terminal for turntables, DC Power Input, and the Bluetooth antenna connector.

- **MM PHONO Input:** For connecting turntables with MM cartridges. Includes a GND terminal for grounding.
- **RCA Input:** For connecting audio sources via RCA cables (e.g., CD players, DACs).
- **Audio Output:** Speaker terminals for connecting passive speakers (Left and Right channels).

- **3.5mm AUX Output:** For connecting active speakers or an active subwoofer.
- **DC Power Input:** Connects to the provided DC 36V 6A power adapter.
- **ANT:** Connector for the Bluetooth antenna.

5. SETUP INSTRUCTIONS

5.1 Initial Placement and Connections

1. **Placement:** Place the AIYIMA T5 on a stable, flat surface with adequate ventilation. Ensure it is away from direct heat sources or moisture.
2. **Install Bluetooth Antenna:** Screw the provided Bluetooth antenna onto the ANT connector on the rear panel.
3. **Connect Speakers:**
 - **Passive Speakers:** Connect your passive speakers to the "Audio Output" terminals on the rear panel using speaker wire. Ensure correct polarity (+ to + and - to -).
 - **Active Speakers/Subwoofer:** Connect active speakers or an active subwoofer to the "3.5mm AUX Output" on the rear panel using a 3.5mm to RCA cable (not included).
4. **Connect Audio Source:**
 - **MM Phono (Turntable):** Connect your turntable's RCA output to the "MM PHONO Input" on the rear panel. Connect the turntable's ground wire to the "GND" terminal on the amplifier to reduce hum.
 - **RCA Input:** Connect your audio source (e.g., CD player, DAC) to the "RCA Input" on the rear panel using RCA cables.
 - **Bluetooth:** For Bluetooth connection, no physical cable is needed for the source device.
5. **Connect Power:** Connect the DC 36V 6A power adapter to the "DC Power Input" on the rear panel, then plug the adapter into a wall outlet.



Figure 4: The AIYIMA T5 amplifier connected to a turntable and passive speakers. This image illustrates the rear panel connections for a turntable (MM Phono input with ground wire) and passive speakers (Audio Output terminals).



Figure 5: Close-up of the MM Phono input on the AIYIMA T5, showing the ground wire connection point. This image emphasizes the importance of connecting the phono ground wire to reduce noise.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the **VOL/MODE** knob once to power on the amplifier. Press and hold the **VOL/MODE** knob for approximately 3 seconds to power off the amplifier.

6.2 Input Selection

Rotate the **VOL/MODE** knob to cycle through the available input sources: Bluetooth (BT), RCA (AUX), and MM Phono (PHONO). The corresponding indicator light on the front panel will illuminate to show the selected input.



Figure 6: Close-up of the input selection buttons (BT, AUX, PHONO) and their indicator lights on the AIYIMA T5.

6.3 Volume Adjustment

Rotate the **VOL/MODE** knob clockwise to increase the volume and counter-clockwise to decrease it.



Figure 7: Close-up of the volume control knob on the AIYIMA T5.

6.4 Treble and Bass Control

Use the **TREBLE** and **BASS** knobs to adjust the high and low frequency response of the audio output according to your preference.

6.5 Bluetooth Pairing

1. Select the Bluetooth input by rotating the **VOL/MODE** knob until the "BT" indicator light is on.
2. On your mobile device or computer, enable Bluetooth and search for available devices.
3. Select "AIYIMA T5" from the list of devices to pair.
4. Once paired, the "BT" indicator light may change from blinking to solid, indicating a successful connection.

6.6 Headphone Usage

Connect your 6.35mm headphones to the headphone output jack on the front panel. When headphones are connected, audio output to speakers will typically be muted.



Figure 8: Close-up of the 6.35mm headphone output jack on the AIYIMA T5.

6.7 VU Meter

The VU meter on the front panel visually indicates the audio output level. Its movement is synchronized with the music playback, providing a visual representation of the sound dynamics. Note that the VU meter's accuracy may vary and it primarily serves as a visual aesthetic.

7. MAINTENANCE

7.1 Cleaning

- Always unplug the amplifier from the power outlet before cleaning.
- Use a soft, dry cloth to wipe the exterior of the unit.
- Do not use liquid cleaners, aerosols, or abrasive chemicals, as they may damage the finish or internal components.

7.2 Tube Replacement

The 6K4 vacuum tubes have a finite lifespan and may need replacement over time. If you notice a degradation in sound quality or if a tube fails, you can replace them.

1. Ensure the amplifier is powered off and unplugged from the wall outlet. Allow the tubes to cool completely before handling.
2. Gently pull the old tube straight up from its socket. Avoid twisting or bending.
3. Carefully align the pins of the new 6K4 tube with the holes in the socket.
4. Gently push the new tube straight down into the socket until it is firmly seated. Do not force it.
5. Reconnect power and test the amplifier.



Figure 9: Close-up view of the 6K4 vacuum tubes on the AIYIMA T5 amplifier.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none">◦ Power not connected or unit off.◦ Incorrect input selected.◦ Volume too low.◦ Speakers/headphones not connected properly.◦ Source device not playing or outputting sound.	<ul style="list-style-type: none">◦ Ensure power adapter is plugged in and unit is powered on.◦ Rotate VOL/MODE knob to select the correct input (BT, AUX, PHONO).◦ Increase volume using the VOL/MODE knob.◦ Check all speaker/headphone connections.◦ Verify the audio source is playing and its volume is up.
Distorted or poor sound quality.	<ul style="list-style-type: none">◦ Loose or faulty connections.◦ Damaged audio cables.◦ Faulty vacuum tubes.◦ Source audio quality is low.◦ Improper Treble/Bass settings.	<ul style="list-style-type: none">◦ Check all audio cable connections.◦ Try different audio cables.◦ Consider replacing the 6K4 vacuum tubes (refer to Maintenance section).◦ Test with a different, high-quality audio source.◦ Adjust Treble and Bass knobs to a neutral position or to your preference.
Bluetooth pairing failure.	<ul style="list-style-type: none">◦ Bluetooth input not selected.◦ Device too far from amplifier.◦ Interference.◦ Previous pairing conflict.	<ul style="list-style-type: none">◦ Ensure "BT" input is selected.◦ Move your Bluetooth device closer to the amplifier.◦ Ensure no other devices are interfering with the Bluetooth signal.◦ Forget "AIYIMA T5" on your device's Bluetooth settings and try pairing again.
Unit unexpectedly shuts down.	<ul style="list-style-type: none">◦ Overheating.◦ Power supply issue.◦ Internal fault.	<ul style="list-style-type: none">◦ Ensure adequate ventilation around the unit. Allow it to cool down.◦ Verify the power adapter is securely connected and functioning correctly.◦ If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Humming noise from turntable.	<ul style="list-style-type: none">◦ Turntable ground wire not connected.◦ Ground loop issue.	<ul style="list-style-type: none">◦ Ensure the turntable's ground wire is securely connected to the "GND" terminal on the amplifier.◦ Try connecting all audio equipment to the same power strip.

9. SPECIFICATIONS




Feature	Detail
Model	AIYIMA T5
Input Interfaces	Bluetooth 5.1, MM Phono, Stereo RCA
Output Interfaces	Passive Speaker, 6.35mm Headphone, 3.5mm AUX Output (for active speakers/subwoofer)
Output Power	160W + 160W (at 4Ω load)
Channel System	2.0 Channel Stereo
Frequency Response	20Hz - 20KHz (±3dB)
Bluetooth Version	5.1 (SBC, AAC, APTX, APTX-HD, APTX-LL supported)
Power Input	DC 18-36V (5-12A)
Product Dimensions	5.2 x 4.1 x 2.1 inches (133mm x 105mm x 54mm)
Item Weight	1.65 pounds
Tubes	6K4 * 2



Figure 10: Diagram showing the dimensions and key specifications of the AIYIMA T5 amplifier.

10. WARRANTY AND SUPPORT

AIYIMA provides a **2-year warranty** for this product, ensuring worry-free after-sales service. For technical support, warranty claims, or any inquiries regarding your AIYIMA T5 amplifier, please refer to the contact information provided with your purchase documentation or visit the official AIYIMA website.

	<p>AIYIMA T5 Bluetooth 5.1 Tube Amplifier User Manual HiFi Audio Guide</p> <p>Comprehensive user manual for the AIYIMA T5 2.0 Channel Tube Amplifier. Learn about features, specifications, setup, and troubleshooting for this HiFi audio device with Bluetooth 5.1 and MM phono input.</p>
	<p>AIYIMA D05 Bluetooth 5.0 Digital Amplifier User Manual AIYIMA AUDIO</p> <p>AIYIMA D05 Bluetooth 5.0 Digital Amplifier User Manual: Get detailed instructions on setup, operation, specifications, and troubleshooting for your AIYIMA D05 2.0/2.1 channel stereo HiFi amplifier. Covers front/rear panel layout, remote functions, PC-USB connectivity, sound settings, and FAQs.</p>
	<p>AIYIMA D03 Bluetooth 5.0 Amplifier User Manual - Specs & Troubleshooting</p> <p>Comprehensive user manual for the AIYIMA D03 Bluetooth 5.0 2.0/2.1-Channel Amplifier. Includes front/rear panel introductions, detailed specifications, and answers to common product questions and troubleshooting tips.</p>
	<p>AIYIMA T9 PRO JAN5725 Tube Amplifier User Manual</p> <p>Comprehensive user manual for the AIYIMA T9 PRO JAN5725 vacuum tube amplifier. This guide covers front/rear panel descriptions, operation steps, PC-USB setup, driver installation, remote control functions, detailed specifications, and frequently asked questions. Features Bluetooth 5.1, USB DAC, and VU meter for HiFi audio.</p>
	<p>AIYIMA A07 2.0-Channel Power Amplifier User Manual</p> <p>User manual for the AIYIMA A07 2.0-Channel Power Amplifier, detailing its features, specifications, connections, and operating instructions.</p>
	<p>AIYIMA A07 PRO Bluetooth 5.2 Amplifier User Manual</p> <p>User manual for the AIYIMA A07 PRO amplifier, detailing its specifications, front and rear panel descriptions, and frequently asked questions. This HiFi Class D amplifier supports Bluetooth 5.2 and has a 2.0/2.1 channel output.</p>