

DYNASTY PROAUDIO TMP-1

DYNASTY PROAUDIO TMP-1 Professional Vacuum Tube Microphone Preamplifier with Limiter

Model: TMP-1

Brand: DYNASTY PROAUDIO

INTRODUCTION

The DYNASTY PROAUDIO TMP-1 is a professional vacuum tube microphone preamplifier designed to enhance audio signals with warmth and clarity. It features a 12AX7 vacuum tube, 48V phantom power, and a built-in limiter, making it suitable for a variety of recording and live sound applications with both condenser and dynamic microphones, as well as instruments.

SAFETY INSTRUCTIONS

- Read all instructions carefully before operation.
- Do not expose the unit to rain or moisture.
- Do not open the casing. Refer all servicing to qualified personnel.
- Ensure proper ventilation to prevent overheating.
- Use only the specified power adapter (AC 9V).
- Disconnect power before cleaning or when not in use for extended periods.

PACKAGE CONTENTS

Verify that all items are present in the package:

- TMP-1 Professional Vacuum Tube Microphone Preamplifier
- Power Adapter (AC 9V)
- User Manual (this document)

PRODUCT OVERVIEW

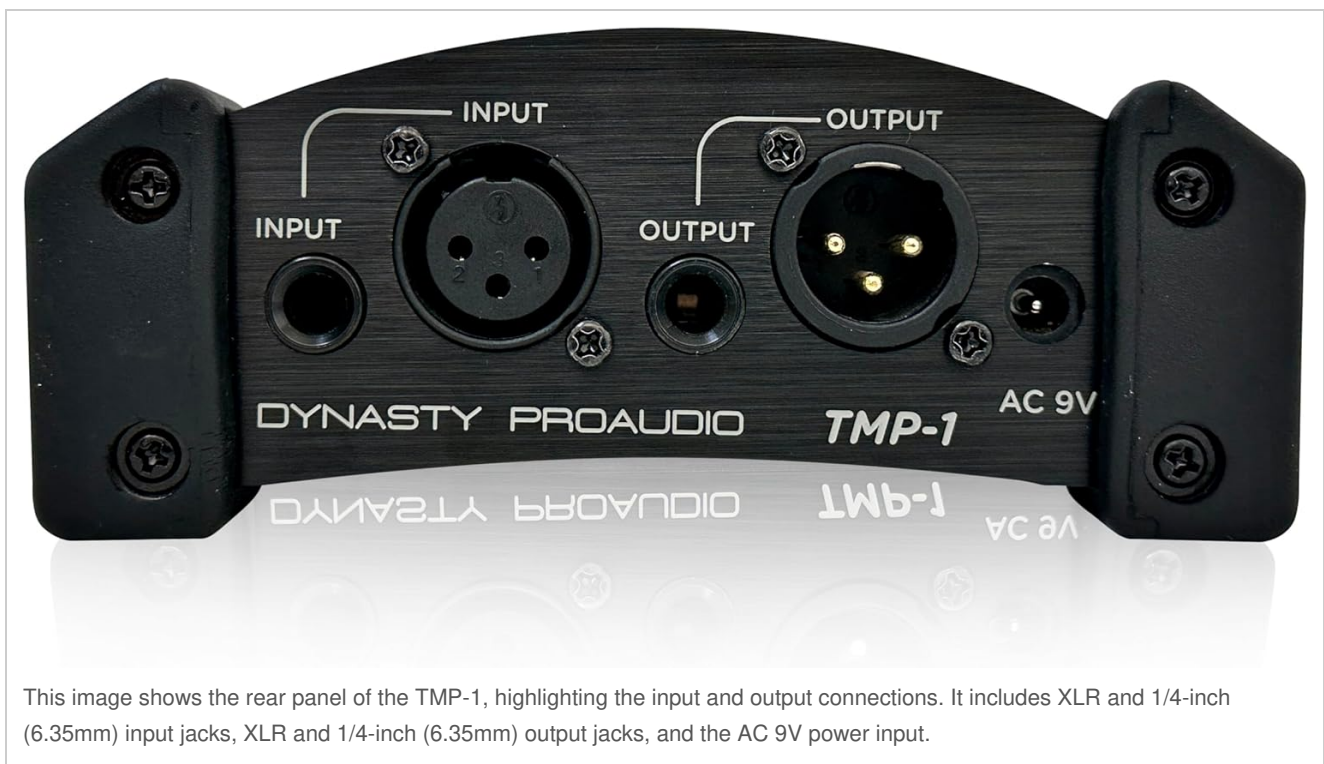
The TMP-1 features a robust design with intuitive controls for optimal audio processing.



This image shows an angled view of the DYNASTY PROAUDIO TMP-1 Professional Vacuum Tube Microphone Preamplifier. The front panel with controls and indicators is visible, along with the sturdy black casing.



This image provides a close-up view of the TMP-1's front panel. It clearly displays the "OUTPUT LEVEL" LED indicators, "Gain Input" and "Drive" rotary knobs, and push-buttons for "Phantom Power", "Limit", "Phase", and "Gain".



This image shows the rear panel of the TMP-1, highlighting the input and output connections. It includes XLR and 1/4-inch (6.35mm) input jacks, XLR and 1/4-inch (6.35mm) output jacks, and the AC 9V power input.

Front Panel Controls and Indicators

- **OUTPUT LEVEL LEDs:** Indicators for signal level (-10, -5, 0, +3, +6dB Peak).
- **Gain Input Knob:** Adjusts the input gain from minimum to maximum.
- **Drive Knob:** Controls the amount of tube saturation/drive.
- **Phantom Power Button (ON/OFF):** Activates/deactivates 48V phantom power for condenser microphones.
- **Limit Button (ON/OFF):** Engages/disengages the built-in limiter to prevent clipping.
- **Phase Button (Reverse/Normal):** Reverses the phase of the input signal.
- **Gain Button (+20dB/Normal):** Provides an additional +20dB gain boost.

Rear Panel Connections

- **INPUT (XLR & 1/4-inch):** Balanced XLR and unbalanced 1/4-inch (6.35mm) inputs for microphones or instruments.
- **OUTPUT (XLR & 1/4-inch):** Balanced XLR and unbalanced 1/4-inch (6.35mm) outputs for connecting to mixers, audio interfaces, or other audio devices.
- **AC 9V:** Power input for the included AC adapter.

SETUP

1. **Power Connection:** Connect the supplied AC 9V power adapter to the "AC 9V" input on the rear panel of the TMP-1, then plug the adapter into a suitable power outlet.
2. **Input Connection:**
 - For microphones: Connect your microphone to either the XLR or 1/4-inch INPUT jack on the rear panel.
 - For instruments: Connect your instrument (e.g., guitar, bass) to the 1/4-inch INPUT jack.
3. **Output Connection:** Connect the TMP-1's XLR or 1/4-inch OUTPUT to your mixer, audio interface, or recording device's input.
4. **Initial Settings:** Before powering on, ensure the "Gain Input" and "Drive" knobs are set to their minimum positions. Ensure "Phantom Power" is OFF unless using a condenser microphone.



This image shows the TMP-1 preamplifier with various audio cables connected to its input and output jacks, demonstrating a typical setup.

OPERATING INSTRUCTIONS

Powering On

Once all connections are made, power on the TMP-1. The "Power" LED on the front panel will illuminate.

Using Phantom Power

If you are using a condenser microphone, press the **Phantom Power** button to activate 48V phantom power. The corresponding LED will light up. *Warning: Do not activate phantom power when using dynamic microphones or ribbon microphones, as this can cause damage.*

Adjusting Input Gain

Slowly turn the **Gain Input** knob clockwise to increase the input signal level. Monitor the "OUTPUT LEVEL" LEDs. Aim for the signal to primarily light up the -5 and 0 dB LEDs during normal operation, with occasional peaks into the +3 dB LED. Avoid consistently hitting the +6dB Peak LED, which indicates clipping.

Applying Drive (Tube Saturation)

The **Drive** knob controls the amount of tube saturation. Turn it clockwise to add warmth and harmonic richness to

your signal. Experiment with this control to find the desired sonic character.

Using the Limiter

Press the **Limit** button to engage the built-in limiter. This helps prevent signal peaks from exceeding a certain level, protecting your recording equipment from clipping and providing a more consistent output level.

Phase Reversal

The **Phase** button allows you to reverse the phase of the input signal. This can be useful in multi-microphone setups to correct phase cancellation issues or for creative effects.

Additional Gain Boost

If your input signal is very low, you can press the **Gain** button to apply an additional +20dB gain boost. Use this judiciously to avoid introducing unwanted noise or distortion.



This image shows a close-up of a glowing vacuum tube, representing the 12AX7 tube inside the TMP-1 that provides its characteristic warmth.



This image features a professional condenser microphone in a studio environment, illustrating the type of microphone that benefits from the TMP-1's phantom power and preamplification.



This image shows hands playing a bass guitar, demonstrating the TMP-1's versatility in handling instrument-level signals.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Tube Replacement:** The 12AX7 vacuum tube has a finite lifespan. If you notice a degradation in sound quality or increased noise over time, the tube may need replacement. This should be performed by qualified service personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected; faulty outlet; faulty adapter.	Check power connections; try a different outlet; test adapter if possible.
No sound output	Incorrect cable connections; gain too low; phantom power not engaged for condenser mic; faulty cable.	Verify all input/output cables are securely connected; increase Gain Input; activate Phantom Power for condenser mics; try different cables.
Distorted sound	Gain too high (clipping); faulty tube; incorrect impedance.	Reduce Gain Input; check OUTPUT LEVEL LEDs for clipping; if distortion persists, consult service for tube inspection; ensure proper impedance matching.
Hum or noise	Ground loop; faulty cables; interference from other electronics.	Use balanced cables; try isolating power; move unit away from other electronic devices; check for faulty cables.

SPECIFICATIONS

- **Model:** TMP-1
- **Tube Type:** 12AX7 Vacuum Tube
- **Phantom Power:** +48V (switchable)
- **Inputs:** XLR Balanced, 1/4-inch (6.35mm) Unbalanced
- **Outputs:** XLR Balanced, 1/4-inch (6.35mm) Unbalanced
- **Power Supply:** AC 9V (included adapter)

- **Product Dimensions:** 9.5 x 6 x 3.5 inches (24.13 x 15.24 x 8.89 cm)
- **Item Weight:** 2.6 pounds (1.18 kg)
- **Manufacturer:** Dynasty Proaudio
- **Date First Available:** August 19, 2024

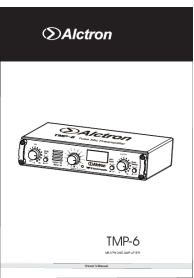

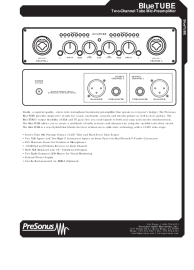
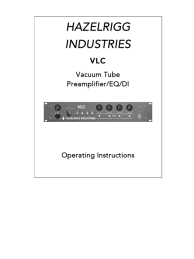
WARRANTY AND SUPPORT



For warranty information and technical support, please contact DYNASTY PROAUDIO directly.

Visit the official DYNASTY PROAUDIO Store on Amazon for more information:[DYNASTY PROAUDIO Store](#)

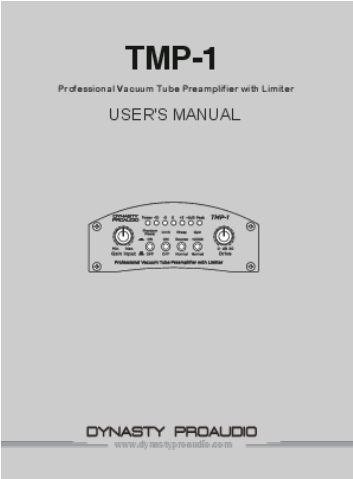
Please retain your proof of purchase for warranty claims.

Related Documents - TMP-1

	<p>Alcron TMP-6 Tube Mic Preamplifier: Owner's Manual and Specifications</p> <p>Owner's manual for the Alcron TMP-6 Tube Mic Preamplifier, detailing its features, functions, connections, and specifications for studio and live applications.</p>
	<p>ART Tube MP Project Series with USB User's Manual</p> <p>User's manual for the ART Tube MP Project Series with USB, a professional microphone and instrument tube preamplifier with USB audio interface. Covers features, connections, operation, applications, warranty, and service.</p>
	<p>Presonus BlueTUBE Two-Channel Tube Mic-Preamplifier Technical Specifications & Overview</p> <p>Detailed technical specifications and overview of the Presonus BlueTUBE, a versatile two-channel tube microphone and instrument preamplifier featuring a 12AX7 tube, dual-servo gain stages, Neutrik™ combo inputs, and comprehensive connectivity.</p>
	<p>Hazelrigg Industries VLC Vacuum Tube Preamplifier/EQ/DI Operating Instructions</p> <p>Detailed operating manual for the Hazelrigg Industries VLC Vacuum Tube Microphone Preamplifier/EQ/DI. Covers specifications, installation, operation, theory, maintenance, and troubleshooting for this hand-crafted professional audio device.</p>

	<p>Cloudlifter Mic Activators: Your Guide to Elevating Sound</p> <p>Explore Cloud Microphones' Cloudlifter series, including CL-1, CL-2, CL-4, CL-Z, CL-Zi, and CL-X. Learn about their features, benefits, quick start guide, and warranty information for achieving superior audio quality.</p>
	<p>Avantone Pro BV-1 MKII Large-Diaphragm Tube Condenser Microphone User Manual</p> <p>Comprehensive user manual for the Avantone Pro BV-1 MKII large-diaphragm tube condenser microphone. Includes safety instructions, operational guide, features, polar pattern explanations, technical specifications, and warranty information.</p>

Documents - DYNASTY PROAUDIO – TMP-1



[\[pdf\]](#) User Manual Instructions

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TMP-1 Professional Vacuum Tube Preamplifier with Limiter USER S MANUAL
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voltage inside the enclosure-voltage that may be sufficient to constitute a...
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