

Technical Pro AX1200

Technical Pro AX1200 1200 Watt 2-Channel Amplifier

User Instruction Manual

Model: AX1200 | Brand: Technical Pro

1. INTRODUCTION

The Technical Pro AX1200 is a powerful 1200 Watt 2-channel amplifier designed for professional audio applications, including DJ setups and rack installations. This manual provides essential information for the safe and efficient operation of your amplifier, covering setup, operation, maintenance, and troubleshooting.

Key features include 1200 Watts Peak Power, RCA inputs, and Banana binding post outputs, along with an iridescent blue LED meter for visual monitoring.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the amplifier. Retain this manual for future reference.

- Power Source:** Connect the unit only to an AC power outlet of the specified voltage (110V-60Hz). Ensure the power cord is not pinched or walked on.
- Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the unit to prevent overheating. Avoid placing the amplifier in enclosed spaces.
- Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning.
- Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening the amplifier casing may expose you to dangerous voltage or other hazards.
- Placement:** Place the amplifier on a stable, level surface. This unit is designed for 2U rack mounting.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- Technical Pro AX1200 2-Channel Amplifier
- AC Power Cable
- User Instruction Manual (this document)



Figure 3.1: Technical Pro AX1200 Amplifier and Power Cable.



Figure 3.2: Included AC Power Cable.

4. PRODUCT OVERVIEW

4.1 Front Panel



Figure 4.1: Front Panel Controls and Indicators.

1. **POWER Switch:** Toggles the amplifier's power ON or OFF.
2. **CH-A / CH-B Level Controls:** Rotary knobs to adjust the output level for Channel A and Channel B independently.
3. **CLIP Indicators:** LEDs that illuminate when the input signal is too high, indicating potential audio clipping and distortion. Reduce the input level if these light up consistently.
4. **POWER Indicators:** LEDs that illuminate when the respective channel is powered on.
5. **Iridescent Blue LED Meter:** Visual display indicating the output level of each channel.

4.2 Rear Panel



Figure 4.2: Rear Panel Connections.

1. **AUDIO INPUTS (RCA):** Connect your audio source (e.g., mixer, pre-amplifier) to these RCA jacks for Channel A and Channel B.
2. **CH A / CH B OUTPUTS (Banana Binding Post):** Connect your speakers to these binding posts. Ensure correct polarity (+ to + and - to -) for optimal sound.
3. **AC Power Inlet:** Connect the supplied AC power cable here.

5. SETUP

Follow these steps to set up your Technical Pro AX1200 amplifier:

1. Placement:

- Place the amplifier in a well-ventilated area. Avoid direct sunlight or heat sources.
- The AX1200 is designed for 2U rack mounting. Ensure proper rack ventilation if installed in an equipment rack.

2. Audio Input Connection:

- Using RCA cables, connect your audio source (e.g., DJ mixer, audio interface) to the **AUDIO INPUTS (RCA)** on the rear panel. Match Channel A to your left audio signal and Channel B to your right audio signal.

3. Speaker Output Connection:

- Connect your passive speakers to the **CH A / CH B OUTPUTS (Banana Binding Post)** on the rear panel.
- Ensure correct polarity: connect the positive (+) terminal of the amplifier to the positive (+) terminal of the speaker, and the negative (-) terminal of the amplifier to the negative (-) terminal of the speaker. Incorrect

polarity can result in poor sound quality.

- Verify that your speakers' impedance is compatible with the amplifier's output capabilities (e.g., 2 ohms, 4 ohms, 8 ohms).

4. Power Connection:

- Ensure the amplifier's POWER switch is in the OFF position.
- Connect the supplied AC power cable to the **AC Power Inlet** on the rear panel of the amplifier.
- Plug the other end of the power cable into a standard 110V-60Hz AC wall outlet.

6. OPERATING INSTRUCTIONS

Once the amplifier is properly set up, follow these steps for operation:

1. Power On:

- Before powering on, ensure the **CH-A / CH-B Level Controls** on the front panel are set to their minimum (MIN) position.
- Flip the **POWER Switch** to the ON position. The POWER indicators and iridescent blue LED meters should illuminate.

2. Adjusting Levels:

- Start playing audio from your source at a moderate level.
- Slowly increase the **CH-A / CH-B Level Controls** on the amplifier until the desired volume is reached.
- Monitor the **CLIP Indicators**. If they light up frequently or stay lit, reduce the input level from your source or the amplifier's level controls to prevent distortion and potential speaker damage.

3. Power Off:

- Before powering off, it is recommended to reduce the **CH-A / CH-B Level Controls** to their minimum position.
- Flip the **POWER Switch** to the OFF position.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier.

• Cleaning:

- Always unplug the amplifier from the power outlet before cleaning.
- Use a soft, dry cloth to wipe down the exterior surfaces. Do not use liquid cleaners, aerosols, or abrasive chemicals.

• Ventilation:

- Regularly check that the ventilation openings are clear of dust and debris. Blocked vents can lead to overheating.
- Ensure there is sufficient space around the amplifier for proper airflow, especially if rack-mounted.

- **Cable Connections:** Periodically check all cable connections (power, input, output) to ensure they are secure and free from damage.

8. TROUBLESHOOTING

If you encounter issues with your Technical Pro AX1200 amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on.	<ul style="list-style-type: none">Power cable not connected.Power outlet not active.Power switch is OFF.	<ul style="list-style-type: none">Ensure power cable is securely connected to the amplifier and wall outlet.Test the outlet with another device.Flip the POWER switch to ON.
No sound output.	<ul style="list-style-type: none">Input cables not connected or faulty.Speaker cables not connected or faulty.Level controls set to minimum.Audio source not playing or volume too low.	<ul style="list-style-type: none">Check RCA input connections from your source.Verify speaker connections and polarity.Increase CH-A / CH-B Level Controls.Ensure audio source is active and its volume is up.
Distorted sound / CLIP indicator lights up.	<ul style="list-style-type: none">Input signal too high.Amplifier level too high.Speaker impedance mismatch.	<ul style="list-style-type: none">Reduce the output level from your audio source.Reduce the CH-A / CH-B Level Controls on the amplifier.Ensure speakers are compatible with the amplifier's impedance range.
Amplifier gets hot.	<ul style="list-style-type: none">Insufficient ventilation.Operating at high levels for extended periods.	<ul style="list-style-type: none">Ensure ventilation openings are clear and there is adequate airflow.Reduce volume or allow the unit to cool down.

9. SPECIFICATIONS

Technical specifications for the Technical Pro AX1200 2-Channel Amplifier:

Feature	Detail
Model Number	AX1200
Peak Power	1200 Watts
Power @ 2 ohms	465 Watts
Power @ 4 ohms	375 Watts
Power @ 8 ohms	210 Watts

Feature	Detail
Frequency Response	20Hz - 20KHz
Signal to Noise Ratio	79dB
Input Impedance	10 k ohm unbalanced
Inputs	RCA
Outputs	Banana binding post
Dimensions (L x H x W)	19" x 3.5" x 8"
Rack Size	2U
Manufacturer	Technical Pro

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official Technical Pro website. Keep your proof of purchase for any warranty claims.

Technical Pro is committed to providing quality products and support. If you require further assistance, please contact their customer service department.

