Technical Pro PX3000

Technical Pro PX3000 Professional 3000 Watts 2U 2-Channel DJ Power Amplifier User Manual

Model: PX3000

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Technical Pro PX3000 Professional 3000 Watts 2U 2-Channel DJ Power Amplifier. Please read this manual thoroughly before using the device to ensure proper setup, operation, and maintenance. Retain this manual for future reference.

2. SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent electric shock, fire, or damage to the unit:

- Do not expose this unit to rain or moisture.
- Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.
- Ensure proper ventilation. Do not block ventilation openings.
- Connect to a grounded power outlet only.
- Disconnect power before making any connections or disconnections.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only specified power cords and accessories.

3. PRODUCT OVERVIEW

3.1 Front Panel

2U PROFESSIONAL 2CH POWER AMPLIFIER


FRONT-PANEL

BACK - PANEL

Image: Front panel of the Technical Pro PX3000 amplifier, showing channel level controls, LED meters, and power switch.

The front panel features controls and indicators for monitoring and adjusting the amplifier's performance:

- **Channel Level Controls:** Independent rotary knobs for adjusting the output level of Channel A and Channel B.
- **LED Meters:** Iridescent blue LED indicators display the signal level and clipping status for each channel. Red LEDs indicate clipping.
- **Power Switch:** Toggles the amplifier's power on and off.
- **Cooling Vents:** Integrated vents for dual cooling speed fans.

3.2 Rear Panel

DIMENSION

3.5" inches

19"   inches

DIMENSION :

Product Length : 19" L
Product Width : 8' W
Product Height : 3.5" H

Image: Rear panel of the Technical Pro PX3000 amplifier, showing input and output connections, and power inlet.

The rear panel provides all necessary connections for audio input, output, and power:

- **Inputs:** RCA and 1/4" (6.35mm) jacks for connecting audio sources.
- **Outputs:** Banana binding post and SpeakOn connectors for connecting speakers.
- **Power Inlet:** Standard AC power connection.
- **Cooling Fan:** Exhaust fan for heat dissipation.

3.3 Key Features

2U PROFESSIONAL 2CH POWER AMPLIFIER

- Technical Pro PX3000 Professional 2U
- 2-Channel 3000 Watt Power DJ Amplifier.
- Frequency Response: 20hz-20KHz.
- Input Impedance: 10 k ohm unbalanced.
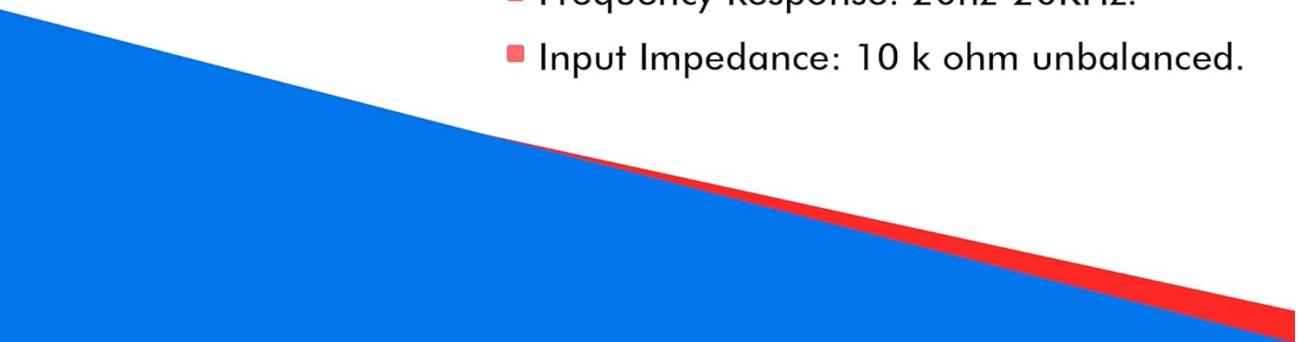
Image: Diagram highlighting key features such as 3000 watts peak power, RCA/1/4" inputs, Banana binding post/SpeakOn outputs, LED meters, 79dB signal-to-noise ratio, 20Hz-20KHz frequency response, 10k ohm unbalanced input impedance, and integrated power stabilizer.

- **Power Output:** 3000 Watts peak power.
- **Channels:** 2-Channel amplifier design.
- **Inputs:** RCA and 1/4" (6.35mm) for versatile connectivity.
- **Outputs:** Banana binding post and SpeakOn for various speaker connections.
- **Indicators:** Power, Level, and Clipping indicators per channel with iridescent blue LED meters.
- **Cooling:** Dual cooling speed fans for thermal management.
- **Power Stability:** Integrated power stabilizer for consistent performance.
- **Frequency Response:** 20Hz-20KHz.
- **Signal to Noise Ratio:** 79dB.
- **Input Impedance:** 10 k ohm unbalanced.

4. SETUP

Follow these steps to set up your amplifier:

1. **Placement:** Position the amplifier in a well-ventilated area, preferably in a standard 2U rack mount. Ensure

adequate space around the unit for airflow.

2. **Power Off:** Ensure the amplifier's power switch is in the OFF position before making any connections.
3. **Connect Speakers:** Connect your speakers to the amplifier's output terminals (Banana binding post or SpeakOn). Ensure correct polarity (+ to + and - to -).
4. **Connect Audio Source:** Connect your audio source (e.g., mixer, DJ controller) to the amplifier's input jacks (RCA or 1/4").
5. **Connect Power:** Plug the power cord into the amplifier's AC inlet, then into a grounded electrical outlet.
6. **Initial Level Setting:** Turn the channel level controls on the front panel to their minimum (fully counter-clockwise) position.

5. OPERATION

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

1. **Power On:** Turn on your audio source first, then switch on the amplifier using the front panel power switch. The power indicator LED will illuminate.
2. **Adjust Levels:** Start playing audio from your source. Slowly increase the channel level controls on the amplifier until the desired volume is reached. Monitor the LED meters to avoid clipping (red LEDs).
3. **Monitoring:** The blue LEDs on the front panel indicate signal presence and level. If the red "Clip" LED illuminates frequently, reduce the input level from your source or the amplifier's channel level to prevent distortion and potential speaker damage.
4. **Power Off:** When finished, turn down the amplifier's channel level controls, then switch off the amplifier, and finally turn off your audio source.

6. MAINTENANCE

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

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris. Blocked vents can lead to overheating.
- **Storage:** If storing the unit for an extended period, ensure it is in a cool, dry place, protected from dust and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Amplifier power switch off.	Ensure power cord is securely connected. Test power outlet. Turn amplifier power switch on.
No sound output	Input cables not connected; Speaker cables not connected; Channel level controls too low; Audio source not playing.	Check all input and output cable connections. Increase channel level controls. Verify audio source is active.

Problem	Possible Cause	Solution
Distorted sound	Input signal too high (clipping); Speaker impedance mismatch; Faulty cables.	Reduce input signal level or amplifier channel level. Ensure speakers match amplifier impedance. Check and replace cables if necessary.
Overheating	Blocked ventilation; Excessive load.	Ensure ventilation openings are clear. Reduce output level or check speaker load.

If the problem persists after attempting these solutions, please contact Technical Pro customer support.

8. SPECIFICATIONS
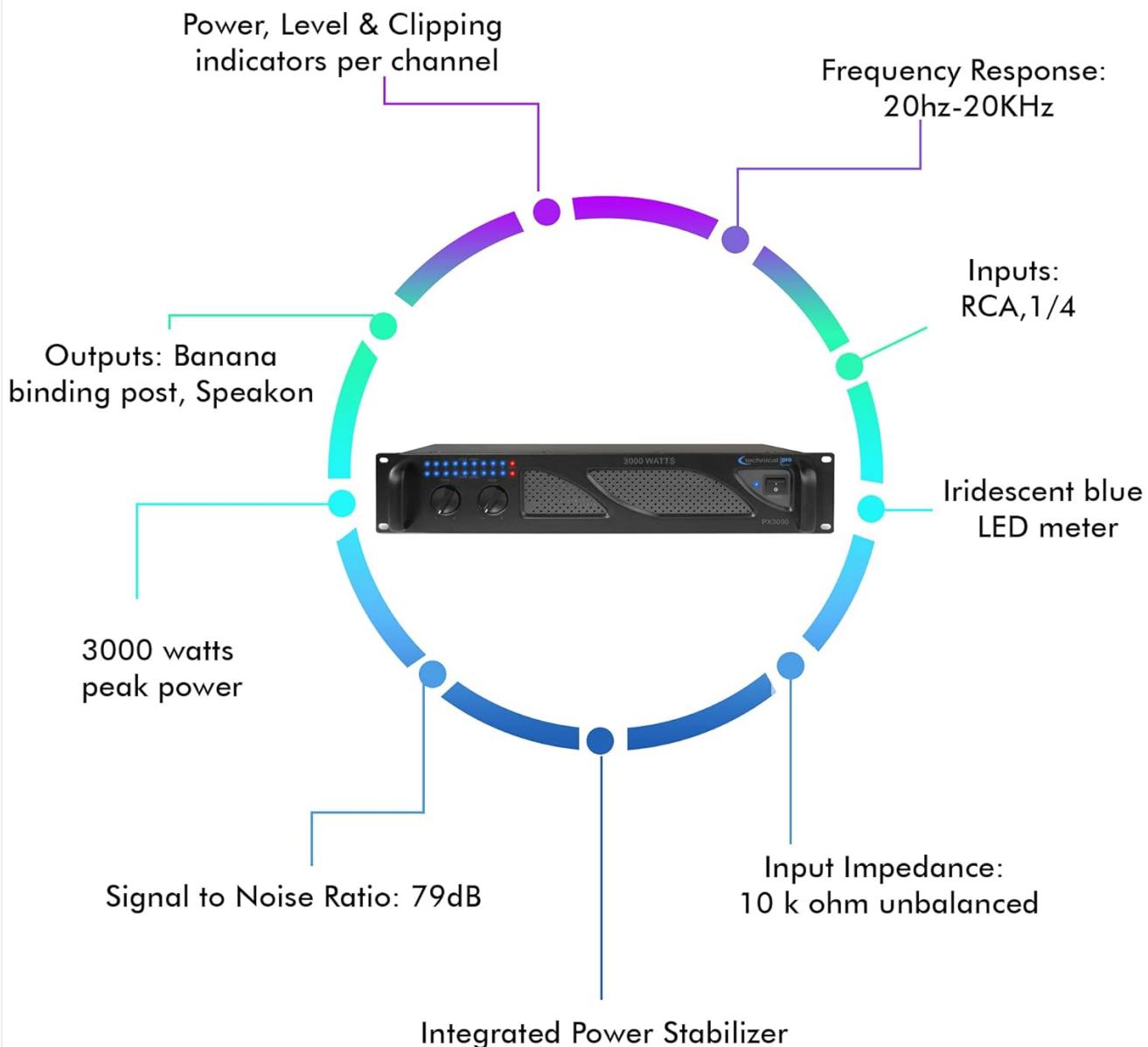
Image: Diagram illustrating the physical dimensions of the amplifier: 19 inches in length, 8 inches in width, and 3.5 inches in height.

- **Model:** PX3000
- **Power Output:** 3000 Watts (Peak)
- **Channels:** 2

- **Inputs:** RCA, 1/4" (6.35mm)
- **Outputs:** Banana Binding Post, SpeakOn
- **Frequency Response:** 20Hz - 20KHz
- **Signal to Noise Ratio:** 79dB
- **Input Impedance:** 10 k ohm unbalanced
- **Cooling:** Dual Cooling Speed Fans
- **Power Stabilization:** Integrated Power Stabilizer
- **Product Dimensions:** 19 x 8 x 3.5 inches (Length x Width x Height)
- **Item Weight:** 9.4 pounds
- **Manufacturer:** Technical Pro
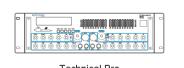
9. WARRANTY AND SUPPORT
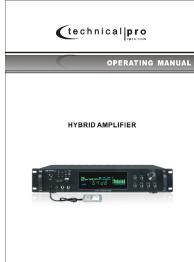
For warranty information and technical support, please refer to the warranty card included with your product or visit the official Technical Pro website. You may also contact Technical Pro customer service directly for assistance with product inquiries, troubleshooting, or service requests.

Contact Information: Please refer to the manufacturer's official website or product packaging for the most current contact details.

Related Documents - PX3000

[Technical Pro POWER60 2U Professional 2CH Power Amplifier - Specifications & Overview](#)
Detailed overview and specifications for the Technical Pro POWER60 2U Professional 2CH Power Amplifier, featuring 6000 watts peak power, XLR/1/4"/RCA inputs, and robust construction.

[Technical Pro MM2000BT Professional Karaoke Amplifier User Manual](#)
User manual for the Technical Pro MM2000BT Professional Karaoke Amplifier with USB & SD Card & Bluetooth Inputs. This guide covers front panel and rear panel connections, operation, and troubleshooting.

	[Technical Pro Hybrid Amplifier Operating Manual](#) Comprehensive operating manual for the Technical Pro Hybrid Amplifier (models HB1502U, HB2502U, HB3502U), detailing features, safety precautions, front and rear panel controls, remote functions, and connection guidance.
	[Technical Pro H4502HD Digital Hybrid Amplifier/Preamp/Tuner with USB, SD, Bluetooth](#) Detailed specifications and features of the Technical Pro H4502HD, a 4500-watt peak power digital hybrid amplifier, preamp, and tuner with USB, SD card, and Bluetooth connectivity.
	[Technical Pro Hybrid Amplifier User Manual (H1502UrBT, H2502UrBT, H3502UrBT)](#) Comprehensive user manual for the Technical Pro H1502UrBT, H2502UrBT, and H3502UrBT Professional Hybrid Amplifiers. This guide covers front panel controls, rear panel connections, remote operation, audio sources, speaker setup, Bluetooth connectivity, microphone usage, and safety precautions.
	[Pyle PTA1000BT Pro Audio Power Amplifier User Guide](#) Comprehensive user guide for the Pyle PTA1000BT 2-Channel Pro Audio Power Amplifier, detailing features, operation, safety instructions, and technical specifications for wireless BT streaming and rack-mount audio.

Documents - Technical Pro – PX3000

[pdf] User Manual Instructions

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Technical Pro Professional Power Amplifier User Manual for:**PX3000**
WWW.TPRO.COM **PX3000** WARNING CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER OF THIS UNIT. THERE ARE NOUSER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO A QUALIFIED TECHNICIAN. The lighting flash with arr...

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