Technical Pro TP2000BT

Technical Pro 2000 Watts Professional Mixer and Amplifier User Manual

Model: TP2000BT | Brand: Technical Pro

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Technical Pro 2000 Watts Professional Mixer and Amplifier, model TP2000BT. This unit is designed for versatile audio applications, including DJ, karaoke, and home theater systems, offering powerful amplification and multiple input options.

Image: Front view of the Technical Pro 2000 Watts Professional Mixer and Amplifier, showcasing its various controls and display.

KEY FEATURES

- **2000-Watt Peak Power:** Delivers high power output suitable for multi-speaker setups with 2-8 ohms impedance.
- **Multiple Inputs:** Supports FM/AM radio, MP3 audio playback, USB Flash Drive Reader, AUX 3.5mm input, 2 ¼" mic inputs, headphone jack, and RCA (L/R) output jacks for subwoofers.
- **Bluetooth Connectivity:** Seamless wireless music streaming from smartphones, tablets, laptops, and computers.
- **EQ Controls:** Features dual 10-band graphic equalizers for precise audio adjustments.
- **Front Panel Controls:** Intuitive controls for independent audio source selection, microphone volume, echo control, bass, treble, and master volume. Includes LED backlight illumination with dimmer.
- **6 Microphone Inputs:** Dedicated inputs for multiple microphones, ideal for karaoke and live performances.
- **Dual Speaker Output:** Connects to two sets of speakers (Channel A and Channel B) with 4-16 ohms impedance.
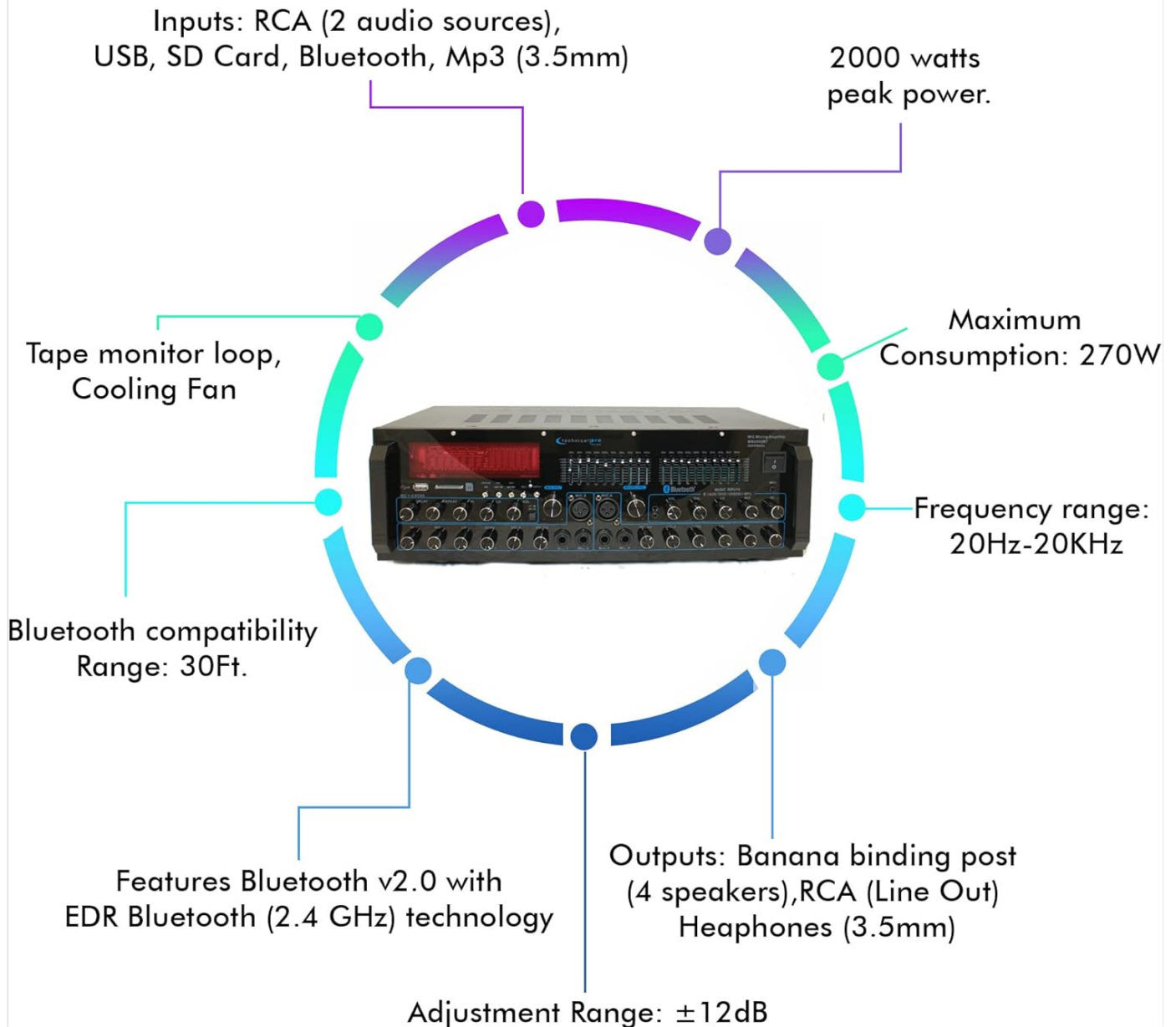
FEATURES OF AMPLIFIER

Inputs: RCA (2 audio sources), USB, SD Card, Bluetooth, Mp3 (3.5mm)

2000 watts peak power.

Tape monitor loop, Cooling Fan

Maximum Consumption: 270W

Frequency range: 20Hz-20KHz

Bluetooth compatibility Range: 30Ft.

Features Bluetooth v2.0 with EDR Bluetooth (2.4 GHz) technology

Outputs: Banana binding post (4 speakers),RCA (Line Out) Heaphones (3.5mm)

Adjustment Range: ±12dB

Image: A visual representation highlighting the amplifier's features such as 2000 watts peak power, various inputs (RCA, USB, SD Card, Bluetooth, MP3), outputs (Banana binding post, RCA Line Out, Headphones), Bluetooth compatibility range, and adjustment range.

SETUP

Unpacking and Initial Inspection

Carefully remove the amplifier from its packaging. Ensure all components are present:

- Technical Pro 2000 Watts Professional Mixer and Amplifier (Model TP2000BT)
- Power Cable
- User Manual (this document)
- Remote Control (if included)

Inspect the unit for any signs of damage during transit. If any damage is found, contact your retailer immediately.

Placement

Place the amplifier on a stable, flat surface. Ensure adequate ventilation around the unit to prevent overheating. Do not obstruct

the cooling fan located on the rear panel.

Image: Detailed view of the front and back panels, illustrating the layout of controls and connection ports.

Connecting Speakers

Connect your speakers to the "SPEAKER OUTPUT" terminals on the rear panel. The unit is designed to work with multi-speakers with 2-8 ohms impedance, and the speaker output terminals are specifically labeled for 4-16 ohms. Ensure correct polarity (+ to + and – to –) for optimal sound quality. The amplifier features dual speaker outputs (Channel A and Channel B).

Image: Close-up of the rear panel, highlighting the speaker output terminals and RCA input/output connections.

Connecting Audio Sources

The amplifier offers various input options:

- **RCA Inputs (DVD, AUX):** Use RCA cables to connect external audio devices like DVD players, CD players, or other audio sources to the "INPUT" section on the rear panel.
- **USB/SD Card:** Insert a USB flash drive or SD card into the respective slots on the front panel for MP3/WAV/WMA playback.
- **Bluetooth:** For wireless audio streaming, refer to the "Bluetooth Operation" section.
- **Microphone Inputs:** Connect up to six microphones using the ¼" (Mic 1-4) and XLR/¼" combo (Mic 5-6) inputs on the front panel.
- **Headphone Output:** Connect headphones to the dedicated jack on the front panel.

OPERATING INSTRUCTIONS

Power On/Off

Press the "POWER" button on the front panel to turn the unit on or off. The LED display will illuminate when the unit is powered on.

Source Selection

Use the input selection buttons on the front panel (e.g., USB/SD, Bluetooth, AUX, DVD) to choose your desired audio source.

Volume and Tone Controls

- **Master Volume:** Adjusts the overall output volume of the amplifier.
- **Microphone Volume:** Individual volume controls for each microphone input (VOL 1-6).
- **Bass**/**Treble:** Adjusts the low and high frequency response of the audio.
- **Balance:** Adjusts the left/right channel balance.
- **Echo Controls (Delay, Repeat, Hi, Lo):** Adjusts the echo effect for microphone inputs.

Image: Detailed view of the front panel, highlighting the AUX inputs, bass and treble controls, and the digital display.

Bluetooth Operation

1. Select "Bluetooth" as the input source using the front panel controls.
2. On your Bluetooth-enabled device (smartphone, tablet, etc.), search for available Bluetooth devices.
3. Select "Technical Pro" or "TP2000BT" from the list to pair.
4. Once paired, you can stream audio wirelessly to the amplifier.

USB/SD Card Playback

Insert a USB flash drive or SD card (max 32GB) containing MP3, WAV, or WMA audio files into the corresponding slot on the front panel. The unit will automatically switch to USB/SD mode and begin playback. Use the navigation buttons (Play/Pause, Next, Previous) to control playback.

Image: The amplifier's front panel with USB and SD card slots highlighted, indicating support for MP3, WAV, WMA files and a maximum size of 32GB.

Equalizer Adjustment

The dual 10-band graphic equalizers allow for precise frequency adjustments. Move the sliders up or down to boost or cut specific frequency ranges to tailor the sound to your preference and acoustic environment.

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Video: An official product video demonstrating the features of the Technical Pro 2000 Watts Professional Mixer and Amplifier, including its dual 10-band EQs, various inputs, and dual speaker outputs.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to maintain proper airflow and prevent overheating.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cable not connected; Power outlet faulty; Unit fuse blown.	Check power cable connection; Try a different outlet; Consult a qualified technician for fuse replacement.
No Sound Output	Speakers not connected correctly; Volume too low; Incorrect input source selected; Mute function active.	Verify speaker connections and polarity; Increase master volume; Select the correct input source; Deactivate mute.
Bluetooth Pairing Failure	Device too far; Bluetooth not enabled on device; Amplifier not in pairing mode.	Move device closer to amplifier; Enable Bluetooth on your device; Ensure amplifier is set to Bluetooth input.
Distorted Sound	Input signal too high; Speaker impedance mismatch; EQ settings incorrect.	Reduce input source volume; Ensure speakers are 4-16 ohms; Adjust EQ settings.

For issues not listed here, please contact Technical Pro customer support.

SPECIFICATIONS

Feature	Detail
Model Number	TP2000BT
Power Output	2000 Watts Peak Power
Number of Channels	2
Speaker Impedance	Supports 2-8 ohms speakers; Speaker output terminals designed for 4-16 ohms.
Connectivity Technology	Bluetooth, USB, SD Card, RCA, 3.5mm AUX
Microphone Inputs	6 (4 x 1/4", 2 x XLR/1/4" Combo)
Product Dimensions	19"D x 10"W x 5"H (48.26cm D x 25.4cm W x 12.7cm H)
Item Weight	14.1 pounds (6.4 kg)
Release Date	March 11, 2025

Feature	Detail
Manufacturer	Technical Pro

DIMENSIONS

Image: Dimensions of the amplifier, indicating its width, depth, and height.

WARRANTY AND SUPPORT
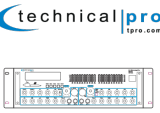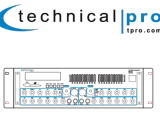
This Technical Pro product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Technical Pro website. Extended protection plans may also be available for purchase.

For technical support, troubleshooting assistance, or service inquiries, please contact Technical Pro customer service. Contact information can typically be found on the manufacturer's website or on the product packaging.

You can also visit the Technical Pro Store on Amazon for more information and product resources.

Related Documents - TP2000BT

	[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 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 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.
	[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 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 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.