Technical Pro RX45BT

Technical Pro RX45BT Home Theater Receiver User Manual

Model: **RX45BT**
Brand: **Technical Pro**

1. INTRODUCTION

Thank you for purchasing the Technical Pro RX45BT Home Theater Receiver. This powerful 1000W amplifier with Bluetooth and USB capabilities is designed to enhance your home audio experience. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. IMPORTANT SAFETY INFORMATION

Please read all safety and operating instructions carefully before using this product. Keep these instructions for future reference.

- **Power Source:** Connect the unit only to a power supply of the type described in the operating instructions or as marked on the appliance. Ensure the voltage is 110/220V as specified.

- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- **Water and Moisture:** Do not use this apparatus near water or in excessively humid environments.

- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- **Cleaning:** Clean only with a dry cloth.

- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

- **Surround Speakers:** Note that surround sound functionality only works when surround speakers are connected. Use with 8 ohm speakers.

3. WHAT'S IN THE BOX

Figure 3.1: Contents of the RX45BT Package

Upon opening the package, please ensure all the following items are present:

- Technical Pro RX45BT Home Theater Receiver
- Remote Control
- Power Cable
- User Manual (this document)
- Audio Cables (e.g., RCA cables)

If any items are missing or damaged, please contact Technical Pro customer support immediately.

4. PRODUCT OVERVIEW

4.1 Front Panel

Figure 4.1: Front Panel of RX45BT Receiver

The front panel provides access to all primary controls and input ports for convenient operation.

- **Power Button:** Turns the unit on or off.
- **Microphone Volume:** Adjusts the volume of connected microphones.
- **Master Volume:** Controls the overall output volume.
- **Digital Fluorescent Output Display:** Shows current settings and audio levels.
- **Input Selectors:** Buttons for Tuner, DVD, AUX/MP3, SD/USB, Bluetooth.
- **Echo Control:** Adjusts the echo effect for microphones.
- **Mic Treble/Bass:** Tone controls for microphone inputs.
- **Bass/Treble/Balance Controls:** Adjusts audio output characteristics.
- **Mic Inputs (MIC1, MIC2):** 1/4" jacks for connecting microphones.
- **USB Port:** For connecting USB drives (max 32GB).
- **SD Card Slot:** For inserting SD cards (max 32GB).
- **Headphone Output:** 1/8" jack for headphones.

4.2 Rear Panel

Figure 4.2: Rear Panel of RX45BT Receiver

The rear panel houses all the necessary connections for your audio sources and speakers.

- **Audio Inputs (RCA):** Two sets of RCA inputs for connecting external audio sources (e.g., DVD player, CD player).
- **Main Speaker Outputs:** Banana binding posts for connecting two main speakers.
- **Surround Speaker Outputs:** Push button terminals for connecting surround speakers. *Note: Surround sound only works when these speakers are connected. Use with 8 ohm speakers.*

- **Line Out (RCA):** For connecting to another amplifier or recording device.
- **Subwoofer Out (2 Mono RCA):** For connecting to powered subwoofers.
- **FM Antenna Input:** For connecting the FM antenna.
- **Power Input:** For connecting the AC power cable.

5. SETUP GUIDE

Follow these steps to set up your Technical Pro RX45BT receiver:

5.1 Speaker Connection

1. **Main Speakers:** Connect your main speakers to the "MAIN SPEAKERS" banana binding posts on the rear panel. Ensure correct polarity (+ to + and - to -).

2. **Surround Speakers:** If using surround sound, connect your surround speakers to the "SURROUND SPEAKERS" push button terminals. Ensure correct polarity. *Remember: Surround sound requires these speakers to be connected.*

3. **Subwoofer (Optional):** Connect your powered subwoofer(s) to the "Subwoofer Out" RCA jacks.

5.2 Audio Source Connection

1. **RCA Devices:** Connect your DVD player, CD player, or other audio sources to the "AUDIO INPUT" RCA jacks (DVD or AUX).

2. **MP3/AUX Devices:** For devices with a 3.5mm output, use an appropriate adapter cable to connect to the AUX/MP3 RCA inputs.

3. **FM Antenna:** Connect the included FM antenna to the "FM ANTENNA" terminal for radio reception.

5.3 Power Connection

1. Ensure all audio and speaker connections are secure.

2. Connect the power cable to the "POWER INPUT" on the rear panel of the receiver.

3. Plug the other end of the power cable into a suitable 110/220V AC wall outlet.

Caution: Ensure the receiver is turned off before making any connections to prevent damage to the unit or connected devices.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

1. **Power On/Off:** Press the POWER button on the front panel or remote control to turn the unit on or off.

2. **Select Input:** Use the input selector buttons (TUNER, DVD, AUX/MP3, SD/USB, BLUETOOTH) on the front panel or remote to choose your desired audio source.

3. **Adjust Volume:** Rotate the MASTER VOLUME knob on the front panel or use the VOL+/- buttons on the remote control to adjust the overall sound level.

4. **Tone Controls:** Use the BASS, TREBLE, and BALANCE knobs to fine-tune the audio output to your preference.

6.2 Bluetooth Operation

1. Press the BLUETOOTH input selector button. The display will indicate "BLUETOOTH" or a similar pairing mode message.

2. On your Bluetooth-enabled device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.

3. Select "RX45BT" from the list of devices. Once paired, the receiver will confirm the connection.

4. You can now play audio from your device through the receiver.

6.3 USB/SD Card Playback and Recording

1. **Playback:** Insert a USB drive or SD card (max 32GB) containing .mp3, .wav, or .wma files into the respective port/slot on the front panel. The unit will automatically switch to USB/SD input or you can select it manually. Use the playback controls (play/pause, skip, repeat/random) on the front panel or remote.

2. **Recording:** The RX45BT can record .wav files onto a USB Flash Drive or SD Card from the Tuner & RCA inputs.
    - Select the desired input source (Tuner or RCA).
    - Insert a USB drive or SD card.
    - Press the record button (if available on the unit/remote, or refer to specific recording instructions in the full manual). Recordings are at 128 kbps / 32 KHz sampling rate.

6.4 Microphone Usage

1. Connect up to two microphones to the MIC1 and MIC2 inputs on the front panel.

2. Adjust the MICROPHONE VOLUME knob to control the microphone output level.

3. Use the ECHO, MIC TREBLE, and MIC BASS knobs to customize the microphone sound.

7. MAINTENANCE

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

- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or aerosol cleaners.

- **Ventilation:** Ensure that the ventilation openings are clear and not obstructed by dust or debris. Periodically check and clean if necessary.

- **Storage:** If storing the unit for an extended period, disconnect it from the power source and store it in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter any issues with your RX45BT receiver, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet not active; Unit is off.	Ensure power cable is securely plugged in. Check the power outlet with another device. Press the POWER button.

Problem	Possible Cause	Solution
No sound output	Incorrect input selected; Volume too low; Speakers not connected or faulty; Mute function active.	Select the correct input source. Increase MASTER VOLUME. Check speaker connections and ensure they are working. Check if the unit is muted.
Bluetooth pairing failed	Device too far; Bluetooth not enabled on source device; Incorrect pairing procedure.	Ensure your device is within range. Enable Bluetooth on your device. Re-attempt pairing by selecting "RX45BT".
USB/SD card not playing	Unsupported file format; USB/SD card not inserted correctly; Card/drive capacity too large.	Ensure files are .mp3, .wav, or .wma. Re-insert the USB/SD card. Ensure capacity is 32GB or less.
Microphone not working	Microphone not connected; Microphone volume too low; Microphone faulty.	Ensure microphone is securely plugged into MIC1/MIC2. Increase MICROPHONE VOLUME. Test with another microphone if possible.

If the problem persists after trying these solutions, please contact Technical Pro customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	RX45BT
Brand	Technical Pro
Peak Power	1000 watts
RMS Power	150 watts RMS Both Channels Driven @ 1.0% THD @ 8 ohms
Inputs	RCA (2 audio sources), USB, SD Card, MP3 (AUX)
Outputs	Banana binding post (2 speakers), Push Button (surround speakers), RCA (Line Out), 2 Mono RCA (Subwoofer Out)
USB & SD Card Max Size	32GB
Supported File Types (Playback)	.mp3, .wav, .wma
Recording File Type	.wav (from Tuner & RCA inputs)
Recording Sampling Rate	128 kbps / 32 KHz
Frequency Response	20Hz-20KHz
Microphone Inputs	Dual mic inputs with volume, echo, and tone controls
Headphone Output	1/8" jack
Connectivity Technology	Bluetooth
Product Dimensions	16.9 L x 11.3 W x 5.8 H inches (42.9 x 28.7 x 14.7 cm)

Feature	Detail
Item Weight	9.26 lbs (4.2 kg)
Voltage	110/220v
Color	Black

10. WARRANTY AND SUPPORT

Technical Pro products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please contact Technical Pro customer service directly.

You can often find contact information on the manufacturer's official website or on the product packaging.

For general inquiries, you may visit the Technical Pro Store on Amazon:Technical Pro Store

Related Documents - RX45BT

technical pro tpro.com Technical Pro Professional Hybrid Amplifier with USB & SD Card Inputs Bluetooth Compatibility User Manual for: H1502UrBT & H2502UrBT & H3502UrBT	**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 tpro.com Technical Pro Professional Karaoke Amplifier with USB & SD Card & Bluetooth Inputs User Manual for: MM2000BT	**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 OPERATING MANUAL HYBRID AMPLIFIER	**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 POWER65 6500W 2U Professional 2-Channel Power Amplifier
Detailed specifications and features of the Technical Pro POWER65, a 6500W 2U professional 2-channel power amplifier. Includes input/output details, performance metrics, physical dimensions, and ordering information.

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.