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› Technical Pro H12X500UBT 6-Zone Receiver and Speaker System User Manual

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Model: H12X500UBT

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Technical Pro H12X500UBT 6-Zone Receiver and the accompanying speaker systems. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The system includes:

- (1) Technical Pro H12X500UBT 6-Zone 12-Speaker Home Theater Bluetooth Receiver
- (2) Rockville Cube 3.5" Black Home Theater Wall Speakers with Swivel Brackets (Pair)
- (2) Pairs of Rockville RockSlim Black Home Theater 5.25" Wall Mount Slim Speakers
- (2) Pairs of Rockville HC85 8" In-Ceiling Home Theater Speakers

SAFETY INFORMATION

Always follow basic safety precautions when using this equipment to reduce the risk of fire, electric shock, and injury to persons.

- Do not expose this appliance to rain or moisture.
- Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.
- Ensure proper ventilation around the unit.
- Connect only to a grounded AC power outlet.
- Keep the power cord away from heat sources.
- Do not place heavy objects on the power cord.
- Disconnect the power cord during lightning storms or when unused for long periods.

SETUP AND INSTALLATION

1. Technical Pro H12X500UBT Receiver Setup

Place the receiver on a stable, flat surface with adequate ventilation. Ensure all connections are secure before powering on the unit.



Image: Front view of the Technical Pro H12X500UBT 6-Zone Receiver and its remote control. The receiver features a digital display, various input ports, and control knobs.

Connections:

- **Speaker Outputs:** Connect your speakers to the banana binding post terminals (for 4 speakers) and push-button terminals (for surround sound speakers). Ensure correct polarity (+ to + and - to -).
- **Audio Inputs:** Use the (2) RCA inputs for external audio sources.
- **USB/SD Card:** Insert USB drives or SD cards for MP3, WAV, WMA file playback.
- **MP3 Input:** Use the 3.5mm jack for portable MP3 players.
- **Microphone Inputs:** Connect microphones to the dual 1/4" mic inputs.
- **Power:** Connect the power cord to a 110/220V AC outlet.

2. Rockville Cube 3.5" Wall Speakers Installation

These compact speakers are designed for wall mounting and feature swivel brackets for optimal sound direction.



Image: A pair of black Rockville Cube 3.5-inch speakers, shown from the front-side angle, highlighting their compact design.

Mounting:

1. Identify desired mounting locations on the wall.
2. Use the included swivel mounting brackets to secure the speakers. The brackets allow for 360-degree rotation.
3. Connect speaker wires to the Euro block speaker terminals with quick disconnect.

3. Rockville RockSlim 5.25" Wall Mount Slim Speakers Installation

These slim speakers are designed for easy wall mounting, similar to hanging a picture.



Image: A pair of black Rockville RockSlim 5.25-inch wall-mount speakers, shown from the front, emphasizing their flat profile.



Image: Rear view of two Rockville RockSlim speakers, displaying the recessed spring-loaded speaker wire terminals and molded speaker wire groove for discreet wiring.

Mounting:

1. The hanging bracket is molded into the speaker cabinet.
2. Securely mount the speakers to the wall using appropriate screws (8 screws included).
3. Utilize the molded speaker wire groove to run wires discreetly behind the speaker.
4. Connect speaker wires to the recessed spring-loaded terminals.

4. Rockville HC85 8" In-Ceiling Speakers Installation

These speakers are designed for flush mounting within ceilings.



Image: Two white Rockville HC85 8-inch in-ceiling speakers, one with the grill on and one with the grill off, revealing the woofer and tweeter. They are shown in a room setting.

Mounting:

1. Determine the desired location in the ceiling. Ensure no obstructions (joists, wiring, plumbing).
2. Using the provided template (if any, or measure carefully), cut a circular hole with a diameter of 9.3 inches.
3. Ensure the mounting depth of 3.03 inches is available.
4. Connect speaker wires to the high-quality spring-loaded push terminals.
5. Insert the speaker into the cutout and secure it using the mounting clamps (typically by tightening screws on the front).
6. Attach the paintable flush mount grills.
7. The tweeter is aim-able/swivel for directing sound.

OPERATING INSTRUCTIONS

Receiver Controls

- **Power:** Use the power button on the front panel or remote to turn the unit on/off.
- **Input Selection:** Select desired input (RCA, USB, SD, MP3, Bluetooth, AM/FM) using the front panel buttons or remote.
- **Volume Control:** Adjust the Master Volume knob on the front panel or use the remote.
- **Tone Controls:** Adjust Bass, Treble, and Balance using the dedicated knobs.
- **Microphone Controls:** For connected microphones, adjust Volume, Echo, Bass, and Treble using the respective knobs.
- **Bluetooth:**
 1. Ensure Bluetooth is selected as the input. The digital FL readout will display "BLUET".
 2. On your A2DP stereo device, search for available Bluetooth devices.
 3. Select "Technical Pro H12X500UBT" to pair. The range is approximately 30 feet.
- **USB/SD Playback:** Insert a USB drive or SD card. The unit will automatically detect and play MP3, WAV, or WMA

files. Use the Repeat/Random playback functions as desired.

- **AM/FM Tuner:** Select AM/FM input and use the tuning controls to find radio stations.
- **Recording:** The unit supports recording at 128 kbps/44.11 KHz on .wav format. Refer to the specific recording section in the full manual for detailed instructions.

Remote Control

The included remote control provides full functionality for the receiver, including power, input selection, volume, tone adjustments, and media playback controls.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of the receiver and speakers. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the receiver's cooling speed fan and vents remain clear of dust and obstructions to prevent overheating.
- **Grills:** Speaker grills are shielded to protect from dust and damage. Clean gently with a soft brush or cloth.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord disconnected; outlet not active; unit protection mode.	Check power cord connection; test outlet; power cycle the unit.
No sound from speakers	Incorrect input selected; speaker wires loose or incorrectly connected; volume too low.	Verify input selection; check all speaker wire connections and polarity; increase volume.
Bluetooth pairing issues	Device out of range; Bluetooth not enabled on source device; interference.	Ensure device is within 30 feet; enable Bluetooth on source; try pairing again.
USB/SD playback error	Unsupported file format; corrupted files; USB/SD card not properly inserted.	Ensure files are MP3, WAV, or WMA; reinsert USB/SD card; try a different card.

TECHNICAL SPECIFICATIONS

Technical Pro H12X500UBT Receiver

- **Peak Power Handling:** 6000 Watts
- **RMS Power:** 650 Watts (Both Channels Driven @ 1.0% THD @ 8 Ohms)
- **Inputs:** (2) RCA, USB, SD Card, MP3 (3.5mm)
- **Outputs:** Banana Binding Post (4 Speakers), Push Button (Surround Sound Speakers)
- **Media Playback:** MP3, WAV, WMA files from USB & SD
- **Bluetooth:** 2.4 GHz Technology, A2DP Stereo Device Compatible, Range: 30 Feet
- **Tuner:** AM/FM Digital Tuner
- **Controls:** Bass, Treble, Balance, Dual 1/4" Mic Inputs with Volume, Echo, Bass, Treble, Separate Gain Control for Preamp and Subwoofer Outputs

- **Display:** Digital FL Readout With Spectrum Display
- **Cooling:** Built-In Cooling Speed Fan
- **Recording:** 128 kbps/ 44.11 KHz on .wav
- **Voltage:** 110/220V
- **Dimensions (L x W x H):** 17" x 4.5" x 13" inches
- **Weight:** 23 Lbs
- **Control Method:** Remote
- **Connectivity Technology:** RCA
- **Special Feature:** Bass Boost, Hi Res Audio
- **Surround Sound Channel Configuration:** 6.0

Rockville Cube 3.5" Wall Speakers

- **RMS Power:** 30 Watts each / 60 Watts per pair
- **Peak Power:** 75 Watts each / 150 Watts per pair
- **Impedance:** 8 Ohm
- **Woofer:** 3.5" Paper Cone
- **Tweeter:** 0.5" Black PEI Tweeter
- **Sensitivity:** 86 dB +-2dB (1M/2.83V)
- **Frequency Response (3db):** 130Hz - 20kHz
- **Cabinet Material:** ABS
- **Color:** Black
- **Terminals:** Euro block speaker terminals with quick disconnect
- **Mounting:** Easy Wall Mount Brackets with 360 Degree Swivel Rotation

Rockville RockSlim 5.25" Wall Mount Slim Speakers

- **RMS Power Handling:** 40 Watts Per Speaker / 80 Watts Per Pair
- **Peak Power Handling:** 120 Watts Per Speaker / 240 Watts Per Pair
- **Woofer:** 5.25" Paper Cone
- **Tweeter:** 0.5" Mylar Dome Tweeter
- **Sensitivity:** 89 dB
- **Nominal Impedance:** 8 Ohm
- **Frequency Response (3db):** 100Hz - 20kHz
- **Cabinet Material:** ABS
- **Color:** Black
- **Mounting:** Easy Wall Mount Brackets (molded into speaker), Recessed spring loaded speaker wire terminals, Molded speaker wire groove
- **Product Dimensions:** 10.8" x 7.3" x 1.38" inches (Per Speaker)
- **Product Weight:** 2 Lbs (Per Speaker)

Rockville HC85 8" In-Ceiling Speakers

- **Peak Power Handling:** 350 Watts (per speaker) / 700 Watts (per pair)
- **RMS Power Handling:** 120 Watts (per speaker) / 240 Watts (per pair)
- **Woofer:** 8" Polypropylene Cone with Rubber Surround
- **Voice Coil:** 1" Aluminum

- **Tweeter:** Mylar Dome Tweeter (Aim-able/Swivel)
- **Magnet:** 20 oz. Ferrite
- **Terminals:** High Quality Spring Loaded Push Terminals
- **Frequency Response:** 40Hz - 20KHz
- **Sensitivity:** 89dB @ 1w / 1m
- **Impedance:** 8 Ohms
- **Mounting Depth:** 3.03"
- **Cut-out Diameter:** 9.3"
- **Color:** White (Paintable Flush Mount Grills)

Note: Specifications are subject to change without notice.

WARRANTY INFORMATION

Specific warranty details for Technical Pro products are typically provided with the product packaging or available on the manufacturer's official website. Please refer to the documentation included with your purchase for precise warranty terms and conditions. Generally, warranties cover defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Technical Pro customer support. Contact information can typically be found on the product packaging, the official Technical Pro website, or through your retailer.

When contacting support, please have your product model number (H12X500UBT) and purchase date available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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