Technical Pro STUDIOPRO1

Technical Pro STUDIOPRO1 Professional USB Recorder User Manual

Model: STUDIOPRO1

1. INTRODUCTION

The Technical Pro STUDIOPRO1 is a versatile recording deck designed for audio professionals. It allows you to capture audio from various sources and record it directly onto USB flash drives or SD cards in standard .mp3 format, ensuring wide compatibility. This unit features comprehensive connectivity options including RCA input and output ports, Bluetooth, and a 1/8" (3.5mm) input for MP3 players. It also includes a master equalizer and microphone inputs with individual controls for enhanced audio management.

Figure 1: Front view of the Technical Pro STUDIOPRO1 recording deck, showing the display, controls, and input ports.

2. SAFETY INFORMATION

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

- **Electrical Shock Hazard:** To reduce the risk of electric shock, do not remove the cover or back panel of this unit. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- **Do Not Open:** Opening the unit will void the warranty.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Power Source:** Connect the unit only to the power supply specified in this manual or on the unit itself. Verify the voltage selector switch on the rear panel is set correctly for your region (110V or 220V) before connecting power.
- **Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.

Figure 2: Rear view of the STUDIOPRO1, showing RCA inputs/outputs, voltage selector, and safety warnings.

3. PACKAGE CONTENTS

Carefully unpack your STUDIOPRO1 and ensure all items are present:

- 1 x Technical Pro STUDIOPRO1 Rack Mountable Recording Deck

- 2 x Rack Mount Brackets

- 4 x Rack Mount Screws

- 1 x 1/8" (3.5mm) to 1/8" (3.5mm) Audio Cable

- 1 x User Manual (this document)

Figure 3: Included rack mount brackets and audio cable.

4. Controls and Features

4.1 Front Panel

Figure 4: Left side of the front panel, showing power, display, and media inputs.

- **Power Switch:** Toggles the unit on or off.

- **Digital Display:** Shows current mode, track information, volume level, and Bluetooth status.

- **SD Card Input:** Slot for inserting an SD card (up to 32 GB) for playback and recording.

- **USB Input:** Port for connecting a USB flash drive (up to 32 GB) for playback and recording.

- **Bluetooth (BT) Button:** Activates Bluetooth pairing mode.

- **Input Selection Buttons:** Used to cycle through available audio inputs (USB, SD, Bluetooth, RCA, 1/8").

- **Navigation/Playback Controls:** Play/Pause, Stop, Previous/Next Track.

Figure 5: Middle section of the front panel, featuring the Master Equalizer.

- **Master Equalizer:** 8-band graphic equalizer with sliders for adjusting frequency bands from 63Hz to 16KHz, allowing for precise tone control.

Figure 6: Right side of the front panel, showing volume, recording, and microphone controls.

- **Volume Knob:** Adjusts the overall output volume.

- **Record Button:** Initiates recording to the inserted USB or SD card.

- **Delete Button:** Deletes the currently selected file.

- **Echo Knob:** Adjusts the echo effect for microphone inputs.

- **Mic Tone Knob:** Adjusts the tone (treble/bass) for microphone inputs.

- **Mic Volume Knob:** Adjusts the volume level for microphone inputs.

- **Mic 1** / **Mic 2 Inputs:** 1/4" (6.35mm) jacks for connecting microphones.

- **Headphone Output:** 1/8" (3.5mm) jack for connecting headphones.

4.2 Rear Panel

Figure 7: Rear panel connections.

- **RCA Input (L/R):** For connecting external audio sources via RCA cables.

- **RCA Output (L/R):** For connecting the unit to an amplifier or other audio system.

- **Voltage Selector:** Switch to select between 110V and 220V power input. Ensure this is set correctly for your region before connecting power.

- **Power Input:** Connects to the AC power cord.

5. SETUP

5.1 Rack Mounting (Optional)

If you intend to install the STUDIOPRO1 into a standard audio rack, use the provided rack mount brackets and screws. Attach the brackets to the sides of the unit, then secure the unit into your rack.

5.2 Power Connection

1. Before connecting the power cord, verify that the **Voltage Selector** switch on the rear panel is set to the correct voltage for your region (110V or 220V).

2. Connect the AC power cord to the **Power Input** on the rear panel and then to a suitable wall outlet.

5.3 Audio Connections

- **Input Sources:** Connect your audio source (e.g., CD player, mixer, smartphone) to the **RCA Input** jacks on the rear panel or the 1/8" (3.5mm) input on the front panel.

- **Output to Amplifier/Speakers:** Connect the **RCA Output** jacks on the rear panel to the input of your amplifier or powered speakers.

- **Microphones:** Connect up to two microphones to the **Mic 1** and **Mic 2** 1/4" jacks on the front panel.

- **Headphones:** For private monitoring, connect headphones to the **Headphone Output** jack on the front panel.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the **Power Switch** on the front panel to turn the unit on or off. The digital display will illuminate when the unit is powered on.

6.2 Input Selection

Use the **Input Selection Buttons** on the front panel to cycle through the available audio sources: USB, SD Card, Bluetooth, RCA, or 1/8" (MP3) input. The selected input will be indicated on the digital display.

6.3 Recording

The STUDIOPRO1 records audio in .mp3 format at a sampling rate of 128 kbps / 44.1 KHz.

1. Insert a USB flash drive or SD card (up to 32 GB) into the corresponding slot on the front panel.
2. Select the desired input source (RCA or 1/8" input) from which you wish to record.
3. Ensure the input audio level is appropriate to avoid distortion.
4. Press the **Record Button**. The recording indicator light will illuminate, and recording will begin.
5. To stop recording, press the **Record Button** again. The recorded file will be saved to the USB drive or SD card.

6.4 Playback

The unit supports playback of .mp3, .wav, and .wma files from USB drives and SD cards.

1. Insert a USB flash drive or SD card containing audio files.
2. Select either USB or SD as the input source using the **Input Selection Buttons**.
3. Use the **Navigation**/**Playback Controls** (Play/Pause, Previous/Next) to select and play your desired audio files.
4. Adjust the overall output volume using the **Volume Knob**.

6.5 Bluetooth Operation

1. Press the **Bluetooth (BT) Button** on the front panel to activate Bluetooth mode. The display will show "Bluetooth Mode" and indicate pairing status.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), search for available Bluetooth devices and select "STUDIOPRO1" to pair.
3. Once paired, you can stream audio wirelessly from your device to the STUDIOPRO1.

6.6 Microphone Usage

1. Connect your microphones to the **Mic 1** or **Mic 2** inputs.
2. Adjust the microphone volume using the **Mic Volume Knob**.

3. Use the **Mic Tone Knob** to adjust the tonal characteristics of the microphone signal.

4. Apply an echo effect using the **Echo Knob** as desired.

6.7 Master Equalizer

Use the sliders on the **Master Equalizer** to fine-tune the frequency response of the overall audio output. Adjust individual bands (63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz, 16KHz) to boost or cut specific frequencies for your desired sound.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.

- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.

- **Ventilation:** Ensure the ventilation openings on the top and sides of the unit remain clear of dust and obstructions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; Incorrect voltage selector setting	Ensure power cord is securely connected; Turn power switch on; Verify voltage selector is set correctly (110V/220V)
No sound output	Volume too low; Incorrect input selected; Output cables not connected	Increase volume; Select correct input source; Check RCA output connections to amplifier/speakers
Cannot record	No USB/SD card inserted; USB/SD card full or corrupted; Incorrect input selected for recording	Insert a valid USB/SD card; Use a different USB/SD card; Ensure RCA or 1/8" input is selected for recording
Bluetooth not pairing	Bluetooth not activated; Device too far; Device already paired to another unit	Press BT button to activate pairing; Move device closer; Disconnect from other Bluetooth devices

9. SPECIFICATIONS

- **Dimensions (L x W x H):** 19.1" x 4.3" x 1.8"

- **Weight:** 3.56 lbs (Unit), 4 lbs (Package)

- **Voltage:** 110/220V (Switchable)

- **Inputs:** USB Flash Drive / SD Card (Up to 32 GB), RCA (L/R), 1/8" (3.5mm) MP3, 2 x 1/4" Microphone

- **Outputs:** RCA (Line Out), 1/8" (3.5mm) Headphone

- **Playback Formats:** .mp3, .wav, .wma from USB drives and SD Cards

- **Record Format:** .mp3 files onto USB Flash Drive or SD Card

- **Sampling Rate (Recording):** 128 kbps / 44.1 KHz
- **Frequency Response:** 20Hz-20KHz ±3dB
- **Signal to Noise Ratio:** >90dB
- **Compatibility:** USB 2.0
- **Memory Storage Capacity:** 32 GB (Max for USB/SD)

10. WARRANTY AND SUPPORT

10.1 Limited Warranty

Technical Pro warrants this product to be free from defects in materials and workmanship for a period of **one (1) year** from the original date of purchase. This warranty covers parts and labor. Additionally, the product is warranted against defects in materials and workmanship for **ninety (90) days** from the original date of purchase. This warranty is valid only for the original purchaser and is non-transferable.

This warranty does not cover damages caused by accident, misuse, abuse, modification, neglect, improper installation, unauthorized repair, or damage during shipment. The warranty is void if the product has been opened or serviced by unauthorized personnel.
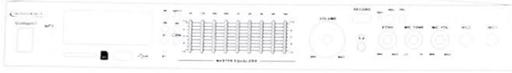
10.2 Obtaining Service

To obtain service under warranty, you must return the product to Technical Pro's Return Merchandise Authorization (RMA) department. You must first obtain an RMA number by contacting Technical Pro customer service. The unit must be sent back in its original packaging with all accessories, a copy of the original bill of sale, and the RMA number clearly written on the exterior of the shipping carton.

10.3 Contact Information

For questions, comments, or support, please contact Technical Pro:

- **Phone:** 888-842-6277
- **Email:** info@tpro.com

technical pro
tpro.com

Technical Pro

Professional USB Recorder

User Manual for:

Studiopro1

QUESTIONS / COMMENTS CALL 888-842-6277
or email info@tpro.com

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LIMITED WARRANTY AND SERVICE

Technical Pro warrants its product to be free from defects in materials and workmanship purchased and serviced in the USA. This Warranty does not cover: (a) defects or damage from abuse, accident, misuse, modifications, neglect, tampering, unusual electrical or physical stress (b) scuffs, scratches or cosmetic damage (c) units with altered, defaced or otherwise illegible serial numbers (d) defects or damage due to improper adjustments, installations, operation, maintenance service or testing (e) products not purchased from an Authorized Technical Pro Dealer and (f) damage occurring during shipment.

This Warranty protects only the original purchaser of the product for a period of 1 year from date of original purchase. Products serviced by Technical Pro's authorized repair center are warranted to be free from defects in materials and workmanship for a period of 90 days, or the reminder of the original warranty period, whichever is greater. This Warranty is not extended by the length of time which you are deprived of the use of this item. Technical Pro will repair or replace products covered by this Warranty at no charge for parts and labor. Technical Pro may use new, repaired, or refurbished parts to repair any unit. If it is determined that the item is not covered by this Warranty for any reason, the purchaser will be responsible for any parts, labor, and shipping charges associated with the repair and return of the unit in question. Technical Pro reserves the right to change the design of any product without notice and with no obligation to make corresponding changes in products previously manufactured.

To be eligible for service while your unit is under warranty you must return the product to Technical Pro's Return Department at the shipper's expense. Technical Pro will not accept COD packages and no call tags will be issued for defective merchandise. The unit must be sent back in its original packaging materials with all original accessories and remote (if applicable). Be sure to include the following information when sending your product: (a) contact name (b) return address (c) telephone number / email address (d) a copy of the original bill of sale, invoice or proof of purchase which clearly states the model number, seller's name and contact number (e) detailed description of the failure is displaying (f) a brief description of the wiring of any other components used in conjunction with this unit (g) check or money order for $19.99 made out to Technical Pro for shipping and handling fees (h) a Return Merchandise Authorization (RMA) number clearly written on the exterior of the shipping carton.
All of the above must be included with your package otherwise your package will not be eligible for warranty service.

To obtain a return merchandise authorization number email RA@tpro.com. In your email include your full name, return address, model number, purchase date, copy of Invoice or sales receipt and product malfunction.
If do not have email access but require a RMA number please mail this information to:

Technical Pro
RMA Department
9 Kilmer Court
Edison, NJ 08817

Once determined if your product is eligible for warranty repairs a RMA number will be emailed to you. If you product is not eligible for warranty covered service you unit can still be serviced at Technical Pro's current rates for parts and labor.
Any shipments without a RMA number or exhibiting physical shipping damage on arrival to Technical Pro's servicing center will not be serviced and will be returned as-is.

Ship your warranty eligible item to:

Technical Pro
Authorized Repair Center
9 Kilmer Court
Edison, NJ 08817

All implied warranties, including warranties of merchantability and fitness for particular purpose, are limited in duration to the length of this warranty.

Exclusion on Damages:
Technical Pro's liability for any defective product is limited to the repair or replacement of the product at our option. Technical Pro shall not be liable for any incidental or consequential damages of any kind. This includes: (a) any damage to other products resulting from such a defect (b) damages based upon inconvenience, loss of use of the product, loss of profit, injury, and (c) any other damages, whether incidental, consequential, indirect or otherwise. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitations of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Figure 8: Technical Pro Limited Warranty information.