

Technical Pro TPEQA7153

Technical Pro Dual 21 Band Professional Stereo Equalizer

Model: EQ7153

1. INTRODUCTION

This manual provides comprehensive instructions for the Technical Pro Dual 21 Band Professional Stereo Equalizer, model EQ7153. This device is engineered to offer precise control over audio frequencies, allowing for detailed sound shaping and enhancement in various audio environments. Please read this manual thoroughly before operating the unit to ensure proper usage and to maximize its performance.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Power Source:** Connect the unit only to the specified power supply voltage as indicated on the rear panel. Ensure the power switch is set to the correct voltage (110V or 220V) for your region before connecting to power.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings. Avoid placing the unit on carpets or in enclosed spaces that restrict airflow.
- **Moisture:** Do not expose the unit to rain, moisture, dripping, or splashing. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Disconnect the power cord from the outlet before cleaning. Use only a dry cloth for cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **Object and Liquid Entry:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

3. PACKAGE CONTENTS

Upon unpacking, please verify that the following items are included:

- Technical Pro EQ7153 Dual 21 Band Professional Stereo Equalizer
- Power Cable
- Removable Rack-Mount Brackets
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

The EQ7153 is a dual 21-band graphic equalizer designed for precise audio frequency adjustment. It features individual LED indicators for each frequency band, a fluorescent spectrum display, and multiple input/output options.

4.1 Front Panel

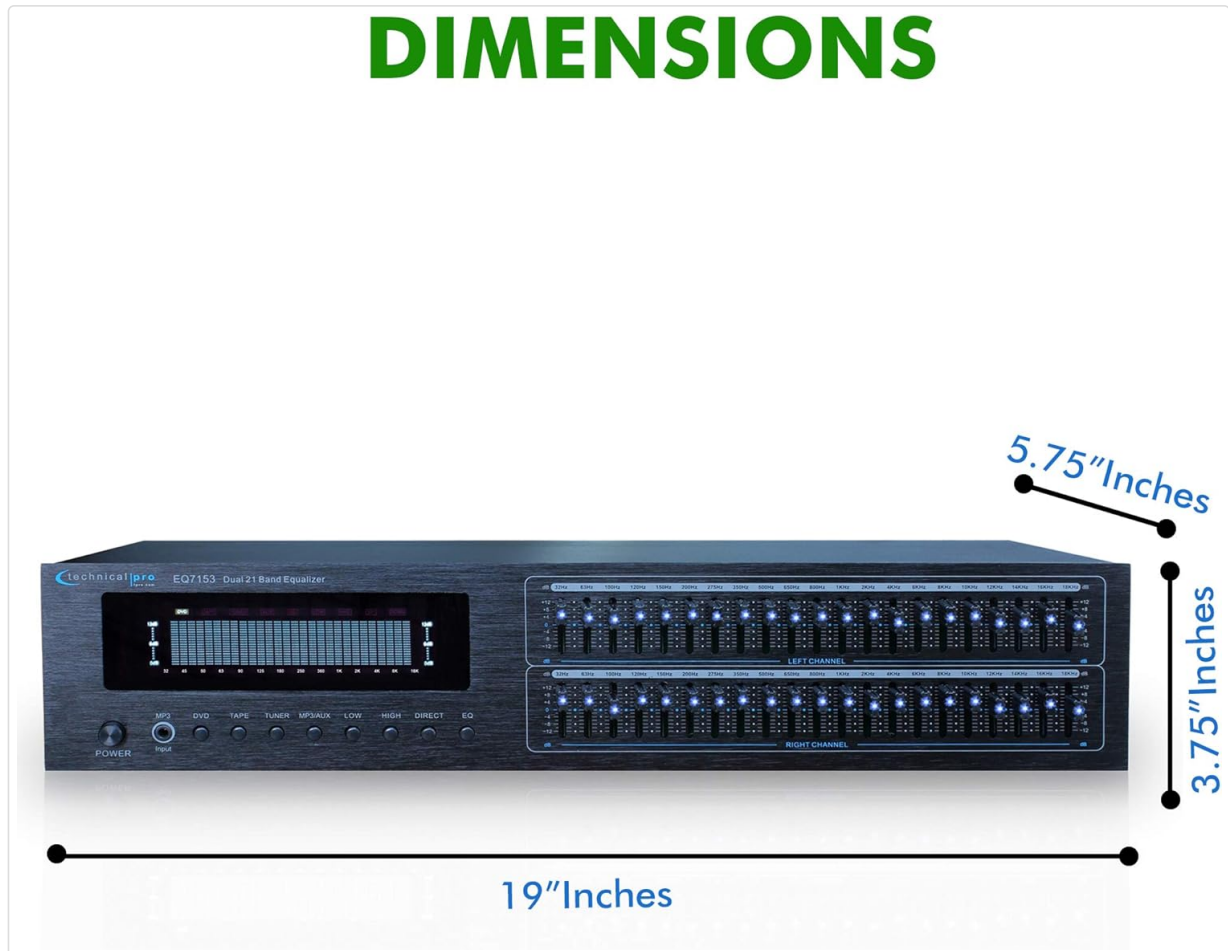


Detailed view of the EQ7153 front panel, highlighting the power button, input selectors, and the dual 21-band equalizer controls for left and right channels.

- **Power Button:** Turns the unit on or off.
- **Input Selectors:** Buttons for MP3, DVD, TAPE, TUNER, MP3/AUX, LOW, HIGH, DIRECT, EQ to select the desired audio source or processing mode.

- **Dual 21-Band Equalizer Sliders:** Individual sliders for Left and Right channels, each with 21 frequency bands for precise audio adjustment. Each slider has an individual LED indicator.
- **Fluorescent Spectrum Display:** Visual representation of the audio frequency spectrum.
- **Bass Booster:** Increases low-frequency levels.
- **Loudness Booster:** Increases both low and high-frequency levels.
- **Direct / Equalizer Function:** Allows for an unfiltered pass-through of the audio signal or engages the equalizer processing.

4.2 Rear Panel



Rear view of the EQ7153, showing the various RCA audio input and output ports, including DVD, Tape, Tuner, Aux, Record, and Line connections, along with the power input.

- **RCA Audio Inputs:** Connect up to four audio sources (DVD, TAPE, TUNER, AUX) using RCA cables. An additional 1/8" MP3 input is available on the front panel.
- **RCA Audio Outputs:** Connect to your amplifier or recording device via the RECORD and MAIN RCA outputs.
- **Power Input:** Standard AC power connection with a voltage selector switch (110V/220V).

4.3 Key Features



DUAL 21 BAND EQUALIZER WITH INDIVIDUAL LED INDICATORS

For audio professionals and sound engineers looking to fine tune audio, the Equalizer comes fitted with a variety of features that make it the ultimate addition to any sound lineup. adjustable range of ± 12 dB

A diagram illustrating the key features of the EQ7153, including equalization points, adjustment range, frequency response, bass/loudness boosters, fluorescent display, and rack-mount brackets.

- **Dual 21-Band Equalization:** Offers precise control over 21 frequency bands per channel.
- **Equalization Points:** 32Hz, 63Hz, 100Hz, 120Hz, 150Hz, 200Hz, 275Hz, 350Hz, 500Hz, 1KHz, 1.5KHz, 2KHz, 2.5KHz, 3KHz, 4KHz, 5KHz, 6KHz, 8KHz, 10KHz, 12KHz, 14KHz.
- **Adjustment Range:** ± 12 dB for each frequency band.
- **Frequency Response:** 20Hz-20kHz.
- **Fluorescent Spectrum Display:** Provides real-time visual feedback of audio levels across frequencies.
- **Bass Booster & Loudness Booster:** Dedicated functions to enhance low and high frequencies.
- **Multiple Inputs:** RCA (4 audio sources) and 1/8" MP3 input.
- **RCA Outputs:** For main audio and recording.
- **Removable Rack-Mount Brackets:** For easy integration into a standard audio rack.

5. SETUP INSTRUCTIONS

5.1 Unpacking and Placement

1. Carefully remove the EQ7153 from its packaging.

2. Place the unit on a stable, flat surface or install it into a standard 19-inch audio rack using the provided brackets.
3. Ensure there is adequate space around the unit for proper ventilation to prevent overheating.

5.2 Audio Connections

The EQ7153 typically connects between your audio source(s) and your amplifier/receiver.

1. **Connect Audio Sources:** Use RCA cables to connect your audio sources (e.g., DVD player, tape deck, tuner, auxiliary device) to the corresponding RCA INPUT jacks on the rear panel (DVD, TAPE, TUNER, AUX). For MP3 players or other portable devices, use a 1/8" stereo cable to the front panel MP3 input.
2. **Connect to Amplifier/Receiver:** Use RCA cables to connect the MAIN OUTPUT jacks on the rear panel of the EQ7153 to an available input on your amplifier or receiver (e.g., AUX IN, CD IN).
3. **Connect to Recording Device (Optional):** If you wish to record the processed audio, connect the REC OUTPUT jacks on the EQ7153 to the input of your recording device.

5.3 Power Connection

1. Before connecting the power cable, verify that the 110V/220V voltage selector switch on the rear panel is set to match your local power supply.
2. Connect the provided power cable to the AC IN socket on the rear panel of the EQ7153.
3. Plug the other end of the power cable into a suitable AC power outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **POWER** button on the front panel to turn the unit on or off. The fluorescent spectrum display and individual LED indicators will illuminate when the unit is powered on.

6.2 Input Selection

Press the corresponding input button on the front panel (MP3, DVD, TAPE, TUNER, MP3/AUX) to select the audio source you wish to process. Ensure only one input is selected at a time.

6.3 Equalizer Adjustment

1. **Engage Equalizer:** Press the **EQ** button to activate the equalizer function. If you prefer an unprocessed signal, press the **DIRECT** button.
2. **Adjust Frequency Bands:** Use the individual sliders for the Left and Right channels to boost or cut specific frequency bands. Moving a slider up boosts the frequency, while moving it down cuts the frequency. The range of adjustment is $\pm 12\text{dB}$.
3. **Monitor Display:** Observe the fluorescent spectrum display to visually monitor the frequency distribution of your audio signal as you make adjustments.

6.4 Using Boost Functions

- **Bass Booster:** Press the **LOW** button to engage the Bass Booster, which will increase the overall low-frequency levels in your audio.
- **Loudness Booster:** Press the **HIGH** button to engage the Loudness Booster, which will simultaneously increase both low and high-frequency levels, providing a fuller sound at lower volumes.

7. MAINTENANCE

7.1 Cleaning

To maintain the appearance and longevity of your EQ7153:

- Always disconnect the power cable before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- Do not use liquid cleaners, aerosol cleaners, or strong chemicals, as they may damage the finish or internal components.
- For dust accumulation around sliders or buttons, use a soft brush or compressed air, being careful not to force dust into the unit.

7.2 General Care

- Avoid placing heavy objects on top of the unit.
- Protect the unit from extreme temperatures and direct sunlight.
- Ensure all cable connections are secure and free from strain.

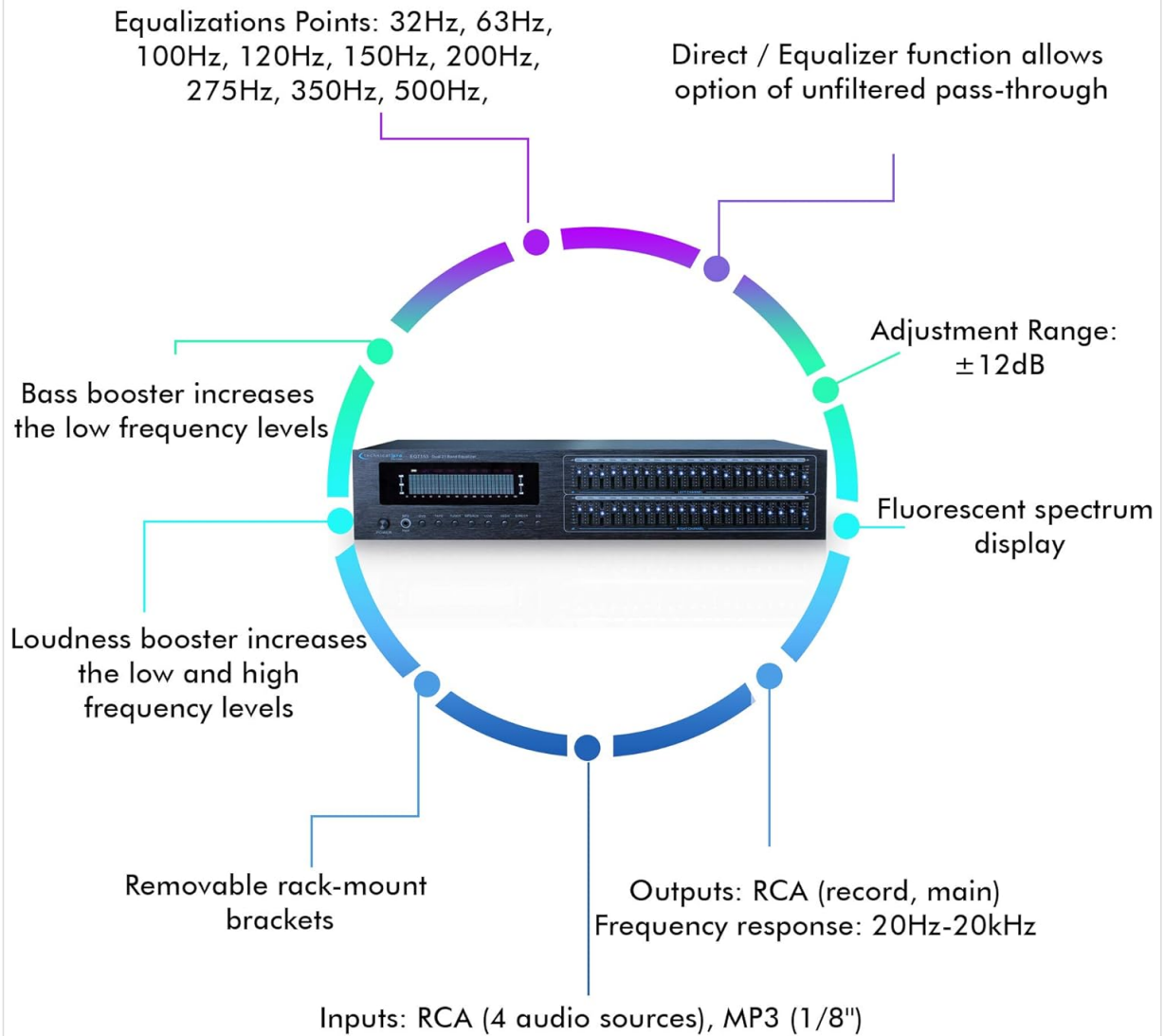
8. TROUBLESHOOTING

If you encounter issues with your EQ7153, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Power cable not connected; Power outlet faulty; Voltage selector incorrect.	Ensure power cable is securely connected. Test power outlet with another device. Verify 110V/220V switch matches local voltage.
No sound output.	Incorrect input selected; Cables not connected properly; Amplifier input not selected.	Select the correct input source on the EQ7153. Check all RCA cable connections. Ensure your amplifier is set to the correct input connected to the EQ7153.
Distorted or poor sound quality.	Input signal too high; Equalizer settings extreme; Faulty cables.	Reduce the input level from your source device. Adjust equalizer sliders to a more neutral position. Replace audio cables if suspected faulty.
LED indicators are too bright.	This is a characteristic of the product design.	While there is no built-in brightness adjustment, some users have applied light-dimming films or paint to the LEDs for personal preference. This is not officially supported and may void warranty.

9. SPECIFICATIONS

FEATURES OF TECHNICAL PRO EQUALIZER















An illustration of the EQ7153 equalizer with its dimensions: 19 inches wide, 5.75 inches deep, and 3.75 inches high.

- **Model:** TPEQA7153
- **Equalization Bands:** Dual 21-band per channel
- **Equalization Points:** 32Hz, 63Hz, 100Hz, 120Hz, 150Hz, 200Hz, 275Hz, 350Hz, 500Hz, 1KHz, 1.5KHz, 2KHz, 2.5KHz, 3KHz, 4KHz, 5KHz, 6KHz, 8KHz, 10KHz, 12KHz, 14KHz
- **Adjustment Range:** $\pm 12\text{dB}$
- **Frequency Response:** 20Hz-20kHz
- **Inputs:** RCA (4 audio sources), 1/8" MP3
- **Outputs:** RCA (Record, Main)
- **Product Dimensions (W x D x H):** 19 x 5.75 x 3.75 inches
- **Item Weight:** 4 pounds
- **Manufacturer:** Technical Pro

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Technical Pro website. Keep your proof of purchase for any warranty claims.

Related Documents - TPEQA7153

  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.
  POWER60 2U Professional 2CH Power Amplifier 6000W Peak Power XLR/1/4"/RCA Inputs Robust Construction	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 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.
  POWER65 2U Professional 2-Channel Power Amplifier 6500W Peak Power XLR/1/4"/RCA Inputs Robust Construction	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.
  ROCKVILLE REQ42 Dual 21 Band Graphic Equalizer	Rockville REQ42 Dual 21 Band Graphic Equalizer Owner's Manual Owner's manual for the Rockville REQ42 Dual 21 Band Graphic Equalizer, detailing features, specifications, important safety instructions, and front panel controls.
  ROCKVILLE REQ42 Dual 21 Band Graphic Equalizer	Rockville REQ42 Dual 21 Band Graphic Equalizer Owner's Manual Owner's manual for the Rockville REQ42 Dual 21 Band Graphic Equalizer, detailing its features, specifications, safety instructions, and front/rear panel layouts. Includes technical assistance contact information.