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TONOR TX510

TONOR TX510 Audio Interface User Manual

Model: TX510

1. INTRODUCTION

The TONOR TX510 Audio Interface is a versatile USB audio mixer designed for high-fidelity recording, podcasting, streaming, and ASMR. It features two XLR/6.35mm combo inputs, individual gain controls, real-time monitoring, and vibrant RGB lighting, providing a comprehensive solution for content creators and musicians.

This manual provides detailed instructions for setting up, operating, and maintaining your TX510 Audio Interface to ensure optimal performance and longevity.



Figure 1: TONOR TX510 Audio Interface

2. SAFETY INFORMATION

- Do not expose the device to water or excessive moisture.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only the provided USB cable for power and data connection.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the device during operation.
- When connecting microphones requiring phantom power, ensure the 48V button is pressed only when a condenser microphone is connected.

3. PACKAGE CONTENTS

Please check the package contents upon opening. If any items are missing or damaged, contact TONOR customer

support.

- TONOR TX510 Audio Interface
- USB Cable (Type-C to Type-A)
- User Manual

4. PRODUCT OVERVIEW

4.1 Front Panel Controls and Inputs



Figure 2: Front Panel Layout

1. **MIC/LINE 1 & 2 Inputs:** Combo jacks for connecting XLR microphones or 6.35mm (1/4 inch) instrument/line-level cables.
2. **GAIN Knobs (1 & 2):** Adjust the input sensitivity for MIC/LINE 1 and 2. Features a cycle effect light ring (7 colors) and gain indicators (green for proper volume, red for too loud).
3. **48V Buttons (1 & 2):** Activates +48V phantom power for condenser microphones.
4. **INST Buttons (1 & 2):** Switches between instrument and vocal input modes, optimizing gain and input impedance.
5. **OUTPUT Knob:** Controls the overall output volume to your studio monitors.
6. **HEADPHONE Output:** 6.35mm (1/4 inch) stereo jack for connecting headphones.
7. **HEADPHONE Volume Knob:** Adjusts the volume for the headphone output.
8. **LOOP BACK Button:** Mixes computer audio into the ongoing recording audio in real-time.
9. **MONO Button:** Toggles between mono and stereo output.
10. **DIRECT MONITOR Button:** Enables zero-latency monitoring of your input signals.

4.2 Rear Panel Connections



Figure 3: Rear Panel Layout

1. **POWER Switch:** Turns the device on or off.
2. **USB 5V Port:** USB Type-C port for connecting to your computer for power and data transfer.

3. **LINE OUTPUTS (L/R):** 6.35mm (1/4 inch) jacks for connecting to studio monitors or other audio playback devices.

5. SETUP

5.1 Connecting to a Computer

The TX510 is a plug-and-play device and typically does not require special drivers for Windows or macOS. It functions as a standard USB audio device.

1. Ensure the TX510's POWER switch is in the OFF position.
2. Connect the provided USB cable from the USB 5V port on the rear of the TX510 to an available USB port on your computer.
3. Flip the POWER switch to the ON position. The device will power on and be recognized by your operating system.
4. Select the TONOR TX510 as your input and output audio device in your computer's sound settings and your preferred Digital Audio Workstation (DAW) or recording software.

5.2 Connecting Microphones and Instruments

FLEXIBLE CONNECTION

Straight & easy connection for fuss-free recording



Figure 4: Connection Diagram

- **XLR Microphones:** Connect your XLR microphone cable to either MIC/LINE 1 or MIC/LINE 2 combo input. If using a condenser microphone, press the corresponding 48V button to supply phantom power.
- **Instruments (e.g., Guitar):** Connect your 6.35mm (1/4 inch) instrument cable to either MIC/LINE 1 or MIC/LINE 2 combo input. Press the corresponding INST button to optimize the input for instruments.

5.3 Connecting Headphones and Monitors

- **Headphones:** Plug your 6.35mm (1/4 inch) headphones into the HEADPHONE output jack on the front panel.
- **Studio Monitors:** Connect your studio monitors to the LINE OUTPUTS (L/R) on the rear panel using 6.35mm (1/4 inch) cables.

6. OPERATING

6.1 Adjusting Input Gain

INDIVIDUAL GAIN CONTROL

Easily control the gain of every input/output

Cycle Effect Light Ring
(7 Colors)



GAIN INDICATOR



HEADPHONE VOLUME INDICATOR

Shows the volume level

Figure 5: Gain and Volume Controls

Use the GAIN knobs for MIC/LINE 1 and 2 to adjust the input level of your microphone or instrument. The light ring around the knob indicates the signal level:

- **No Sound:** No light.
- **Proper Volume:** Green light.
- **Too Loud (Clipping):** Red light.

Adjust the gain so that the light remains green during normal operation, occasionally peaking into red for loud sounds without staying red consistently.

6.2 Instrument Mode (INST Button)



GET PERFECT GUITAR & VOCAL TAKE

EASY-SWITCH BETWEEN INSTRUMENT / VOCAL MODE

Individual "inst" button for every input port
Optimizing gain & input impedance

Figure 6: Instrument Mode for Guitar/Vocal

When connecting an instrument like a guitar, press the INST button corresponding to the input channel. This optimizes the gain and input impedance for instrument-level signals, ensuring a clear and accurate sound.

6.3 Output Volume Control

The large OUTPUT knob controls the master volume for the LINE OUTPUTS (to your studio monitors). Adjust this to a comfortable listening level.

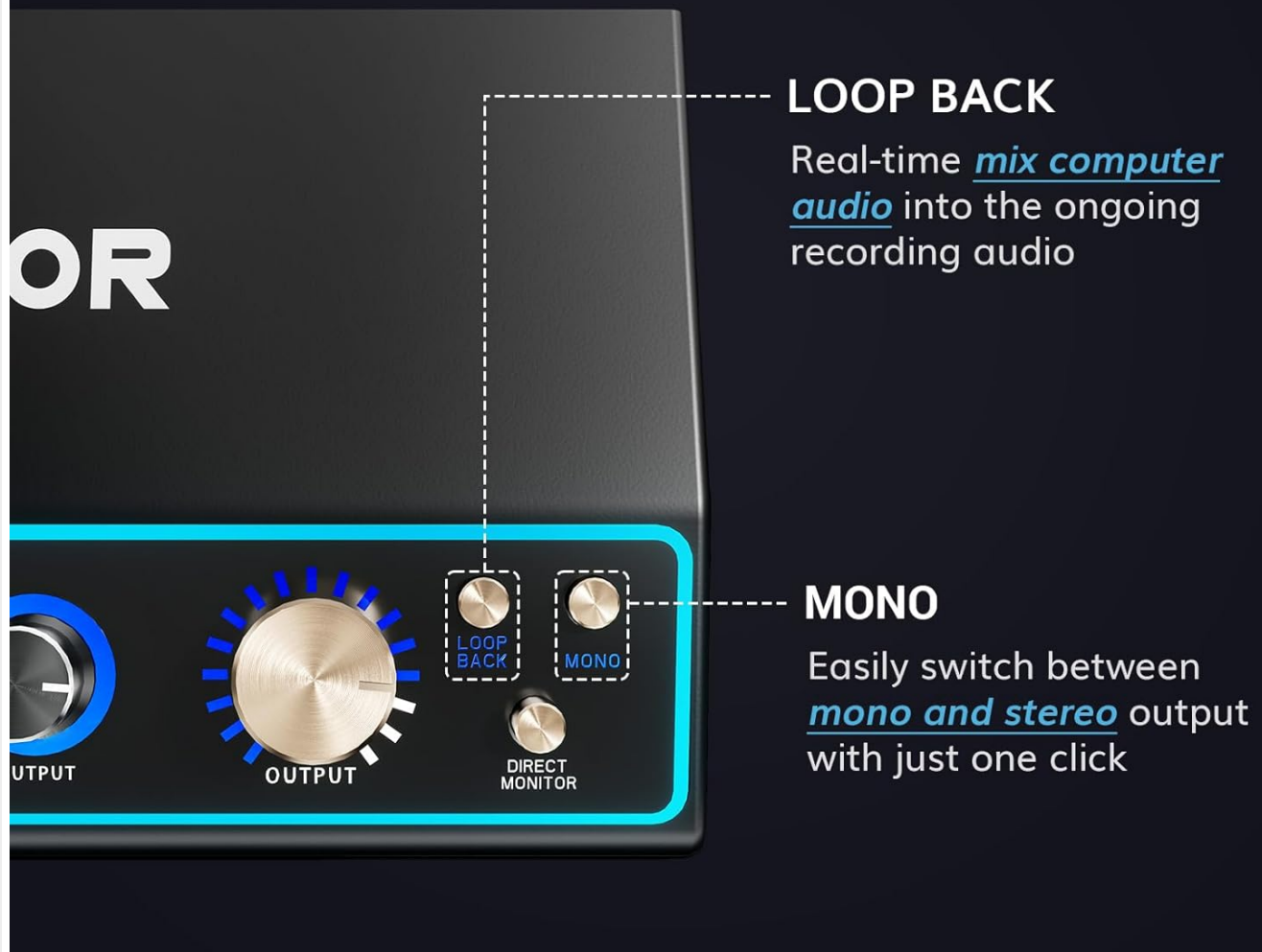
6.4 Headphone Volume Control

The HEADPHONE Volume knob controls the volume specifically for the connected headphones. This allows you to adjust your monitoring level independently of the main output.

6.5 Loop Back Function

REAL-TIME MIXING & CHANNEL SELECTION

Two innovative functions simplify your recording process



LOOP BACK

Real-time [mix computer audio](#) into the ongoing recording audio

MONO

Easily switch between [mono and stereo](#) output with just one click

Figure 7: Loop Back and Mono/Stereo Controls

Press the LOOP BACK button to enable real-time mixing of computer audio (e.g., background music, accompaniment tracks) into your ongoing recording. This is useful for live streaming or recording vocals over a backing track.

6.6 Mono/Stereo Switch (MONO Button)

The MONO button allows you to easily switch between mono and stereo output with a single click. When the button is pressed and illuminated, the output is typically in stereo. When it is not pressed, the output is mono. This can be useful for checking phase issues or ensuring compatibility with mono playback systems.

6.7 Direct Monitoring



ZERO-LATENCY MONITORING

Direct monitoring button for real time listening
Choose stereo or mono mode as you need

Figure 8: Zero-Latency Monitoring

Press the DIRECT MONITOR button to enable zero-latency monitoring. This allows you to hear your input signal directly through your headphones or monitors without any delay caused by computer processing, which is crucial for recording performances.

6.8 RGB Lighting

The TX510 features vibrant 7-color breathing light effects surrounding the control area, adding a visual element to your setup. The light ring around the gain knobs also indicates sound intensity.

Your browser does not support the video tag.

Video 1: Official TONOR Audio Interface for Podcast overview, demonstrating features like inputs, monitoring, and RGB lighting.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and

dust.

- **Cable Care:** Handle cables carefully. Avoid sharp bends or excessive pulling that could damage connectors or wires.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not recognized / "Unidentified USB" error	Faulty USB cable or port; driver issue (less common for plug-and-play); device not powered on.	Try a different USB port on your computer. Use the original USB cable or try another known good USB cable. Ensure the TX510's POWER switch is ON. Restart your computer.
No sound output from headphones/monitors	Volume knobs turned down; incorrect output selected in computer/DAW; cables not fully connected.	Check HEADPHONE Volume and OUTPUT knobs. Ensure TX510 is selected as the output device in your system settings. Verify all audio cables are securely connected.
No input signal / Mic not working	GAIN knob too low; 48V not enabled for condenser mic; incorrect input selected in computer/DAW; faulty mic/cable.	Increase the GAIN knob. For condenser mics, press the 48V button. Ensure TX510 is selected as the input device. Test with a different microphone or cable if possible.
Noise or buzz in audio	Ground loop; high gain setting; interference from other electronics; faulty cable.	Try connecting the computer and TX510 to different power outlets. Reduce gain if the signal is too hot. Keep audio cables away from power cables. Test with different cables.
MONO button behavior seems reversed (e.g., pressed for stereo)	This is an observed characteristic of some units.	Familiarize yourself with the actual behavior of your specific unit. If the illuminated state provides stereo and unilluminated provides mono, operate accordingly.

9. SPECIFICATIONS

Feature	Detail
Model Number	22105 (TX510)
Item Weight	2.05 pounds
Product Dimensions	9.65 x 5.63 x 3.94 inches
Country of Origin	China
Compatible Devices	Microphone, Personal Computer, Tablet, Headphone, Smartphone
Hardware Interface	USB
Supported Software	All standard audio software (Windows, macOS)

Feature	Detail
Operating System	Windows, macOS
Connectivity Technology	USB for Power Supply, XLR for Mic Input
Number of Channels	2

10. WARRANTY AND SUPPORT

TONOR products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official TONOR website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

TONOR Customer Service: Please visit the official TONOR website for the most up-to-date contact information and support resources.