

TONOR TD510+

TONOR TD510+ Dynamic Microphone User Manual

Model: TD510+

PRODUCT OVERVIEW

The TONOR TD510+ is a versatile dynamic microphone designed for high-quality audio capture in various applications, including podcasting, recording, streaming, and gaming. It features both XLR and USB outputs, offering flexible connectivity options for different setups. The microphone is engineered to deliver warm and balanced vocals with excellent noise suppression, ensuring clear and natural sound reproduction.



Figure 1: The TONOR TD510+ Dynamic Microphone, including the microphone unit, boom arm, and connection cables.

WHAT'S INCLUDED

The TONOR TD510+ Dynamic Microphone kit includes the following components:

- Microphone x 1
- USB Cable x 1
- XLR Cable x 1
- Boom Arm x 1
- Clamp x 1
- Cable Ties x 4
- Manual x 1

SETUP INSTRUCTIONS

Follow these steps to set up your TONOR TD510+ Dynamic Microphone:

1. **Attach the Desk Mount Clamp:** Securely fasten the desk mount clamp to a sturdy surface, such as a desk or table edge. Ensure it is tightened sufficiently to prevent movement.
2. **Install the Boom Arm:** Insert the adjustable suspension scissor arm stand into the opening on the desk mount clamp. Tighten the screw on the clamp to hold the boom arm firmly in place. The boom arm can be adjusted to various angles and positions for optimal microphone placement.
3. **Attach the Shock Mount:** Screw the metal shock mount onto the end of the boom arm. Twist it clockwise until it is securely fastened.
4. **Insert the Microphone:** Gently slide the TD510+ microphone into the shock mount. The shock mount is designed to reduce vibrations and handling noise.
5. **Apply Foam Microphone Cover (Optional):** If desired, place the foam microphone cover over the microphone head. This can help reduce plosive sounds and protect the microphone.
6. **Connect the Cable:** Choose your preferred connection method:
 - **USB Connection:** Connect the provided USB cable (USB-A to USB-C) from the microphone's USB-C port to an available USB port on your computer (PC or Mac). This is a plug-and-play connection.
 - **XLR Connection:** Connect the provided XLR cable from the microphone's XLR port to an audio interface or mixer. This connection is recommended for a more professional audio setup and enhanced sound quality.
7. **Secure Cables:** Use the included cable ties to neatly secure the microphone cable along the boom arm, preventing tangles and ensuring a clean setup.

Plug and Play

✓ Compatible With



Windows



Mac OS



Audio Interface / Mixer



PS4/5

✗ Not Compatible With



XBOX

Figure 2: Compatibility of the TD510+ microphone with various devices. Compatible with Windows, Mac OS, Audio Interfaces/Mixers, and PS4/5. Not compatible with Xbox.

Flexible Dynamic Microphone Set



Figure 3: The flexible adjustments of the TD510+ boom arm, allowing for 360-degree rotation and various angle settings.

OPERATING INSTRUCTIONS

The TONOR TD510+ offers intuitive controls for optimal audio performance:

USB Mode Operation:

- **Volume Control:** Use the "+" and "-" buttons on the microphone to directly control the microphone's gain (volume).
- **Quick Mute:** Press the mute button (located between the volume controls) to instantly mute or unmute the microphone. The indicator light will change to show the mute status.
- **Headphone Monitoring:** The 3.5mm headphone jack allows for real-time monitoring of your voice. Long-press the mute button to switch volume control between the microphone and the headphone output. This is ideal for content creators to monitor their audio during recording or streaming.

Quick Control Feature

Under USB MODE



Figure 4: Close-up of the TD510+ microphone's quick control features in USB mode, including gain control, mute/unmute, and switching between headphone and microphone volume control.

XLR Mode Operation:

- When connected via XLR, the microphone outputs analog signals. Volume and other audio adjustments will typically be managed through your connected audio interface or mixer.
- The XLR interface enhances the sense of audio space, providing a more immersive and high-end audio experience for professional applications.



Figure 5: The TD510+ microphone connected via its XLR output to an audio mixer, demonstrating its use in a high-end audio setup.

MAINTENANCE

To ensure the longevity and optimal performance of your TONOR TD510+ microphone, consider the following maintenance tips:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone and boom arm regularly. Avoid using harsh chemicals or abrasive materials that could damage the finish.
- **Storage:** When not in use, store the microphone in a clean, dry place away from extreme temperatures and humidity. If possible, use the original packaging or a protective case.
- **Cable Care:** Avoid bending or kinking the cables excessively. Store them neatly using the provided cable ties to prevent damage.
- **Handle with Care:** While the microphone is built with durable materials, avoid dropping it or subjecting it to strong impacts, which could affect its internal components.

TROUBLESHOOTING

If you encounter issues with your TONOR TD510+ microphone, try the following troubleshooting steps:

- **No Sound Output:**
 - Ensure the microphone is correctly connected to your computer or audio interface.
 - Check the volume levels on the microphone itself (if using USB mode) and on your computer/software.
 - Verify that the correct microphone input device is selected in your computer's sound settings or recording software.
 - If using XLR, ensure your audio interface/mixer is powered on and configured correctly.
- **Distorted Sound:**
 - Reduce the microphone's gain or input volume to prevent clipping.
 - Ensure you are not speaking too close to the microphone. Maintain an appropriate distance.
 - Check for any interference from other electronic devices.
- **Background Noise:**
 - Ensure the microphone's cardioid pickup pattern is facing the sound source directly.
 - Minimize ambient noise in your recording environment.
 - Utilize the foam cover or pop filter to reduce plosives and breath sounds.
- **Microphone Not Recognized (USB):**
 - Try connecting the microphone to a different USB port on your computer.
 - Restart your computer.
 - Ensure your operating system is up to date.

SPECIFICATIONS

Feature	Specification
Model Name	TD510+
Brand	TONOR
Connectivity Technology	USB, XLR
Polar Pattern	Unidirectional (Cardioid)
Frequency Response	50Hz-14KHz

Signal-to-Noise Ratio (SNR)	95 dB
Maximum Sound Pressure Level (SPL)	110 dB
Compatible Devices	Personal Computer, Laptop (Windows, Mac OS, PS4/5)
Microphone Form Factor	Table Array
Item Weight	1160 Grams (2.56 pounds)
Product Dimensions (L x W x H)	2.4 x 7.44 x 17.01 inches
Power Source	Corded Electric
Color	Black

WARRANTY AND SUPPORT

The TONOR TD510+ Dynamic Microphone typically comes with a **2-year warranty** from the date of purchase. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, product inquiries, or warranty claims, please contact TONOR customer service through their official website or the contact information provided in your product manual.