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TONOR TN516BL

TONOR XLR Condenser Microphone Kit TN516BL User Manual

Model: TN516BL

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TONOR XLR Condenser Microphone Kit TN516BL. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.



Image: The TONOR XLR Condenser Microphone Kit, featuring the microphone, pop filter, and adjustable arm stand.

PACKAGE CONTENTS

The TONOR XLR Condenser Microphone Kit TN516BL includes the following components:

- Condenser Microphone
- Adjustable Scissor Arm Stand
- Desk Mounting Clamp
- Shock Mount
- Pop Filter
- Foam Windscreen
- XLR to XLR Cable
- 3.5mm to XLR Cable
- USB Audio Adapter

SETUP INSTRUCTIONS

Follow these steps to assemble and set up your microphone kit:

1. **Fix the Desk Mount Clamp:** Securely attach the desk mount clamp to the edge of a desk or table.
2. **Insert Arm Stand:** Insert the foot base (black) of the adjustable arm stand into the desk mounting clamp.
3. **Tighten the Screw:** Tighten the screw on the clamp to firmly hold the arm stand in place.
4. **Screw Shock Mount:** Screw the shock mount onto the threaded end of the adjustable arm stand.
5. **Insert Microphone:** Carefully insert the condenser microphone into the shock mount.
6. **Fix Pop Filter:** Attach the pop filter to the adjustable arm stand to complete the assembly.



Image: A visual guide demonstrating the six steps for assembling the microphone kit, from attaching the desk clamp to fixing the pop filter.

Connection Options

The TONOR XLR Condenser Microphone Kit offers two primary connection methods:

Way 1: Connecting to a Laptop or Desktop with USB Audio Adapter

This method is suitable for computers without dedicated XLR inputs or when using a 3.5mm jack for audio input.

1. Connect the microphone to a phantom power supply (not included) using an XLR to XLR cable.
2. Connect the phantom power supply to the USB audio adapter using an audio input line (3.5mm to XLR or XLR to XLR).
3. Plug the USB audio adapter into your laptop or desktop computer.

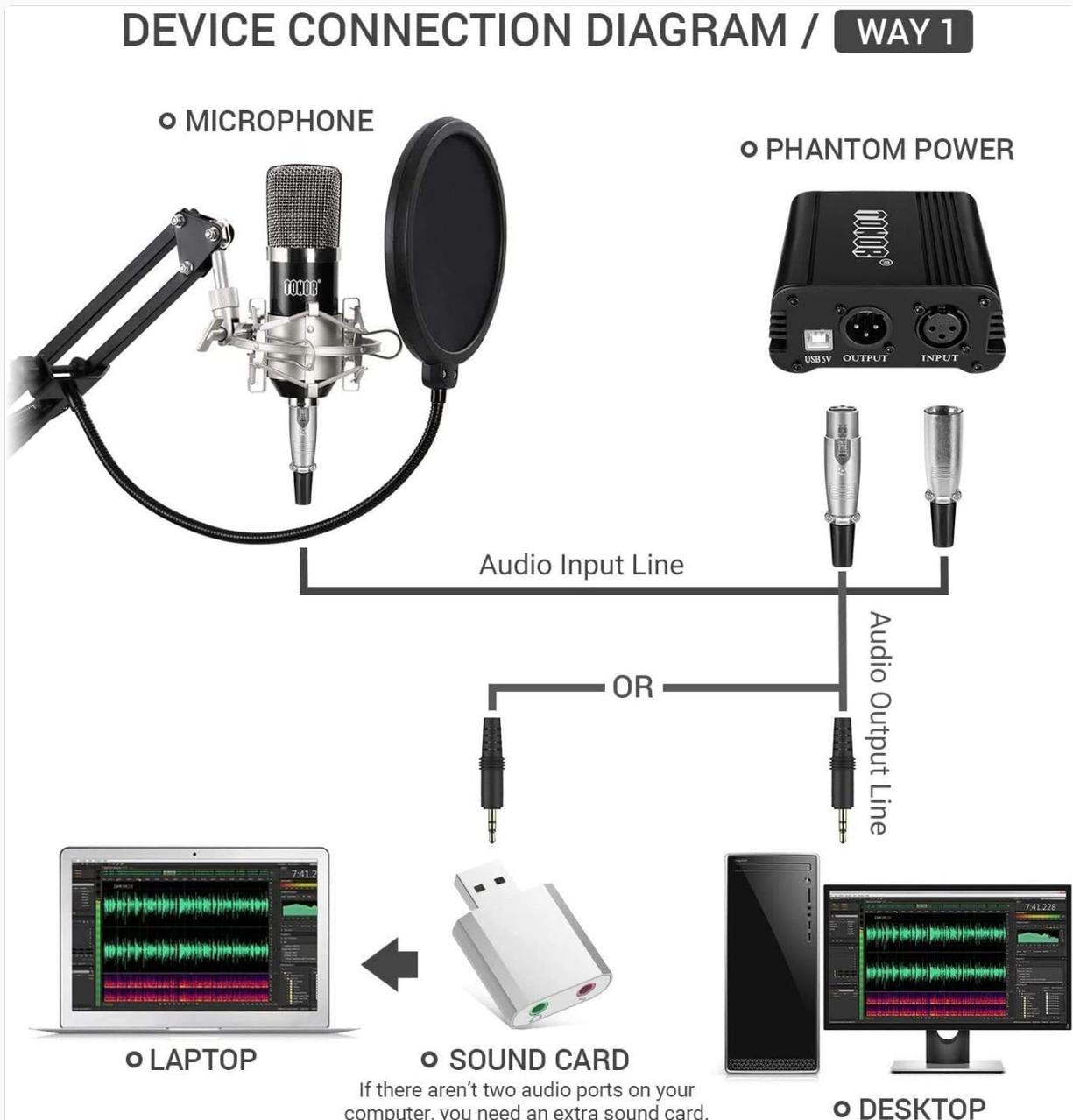


Image: Diagram illustrating connection method 1, showing the microphone, phantom power, USB sound card, and computer connections.

Way 2: Connecting to a Professional Sound Card or Audio Mixer

This method is recommended for optimal audio quality and control, utilizing a professional sound card or audio mixer with phantom power capabilities.

1. Connect the microphone directly to a professional sound card or audio mixer using an audio input cable (XLR to XLR).
2. Ensure the sound card or audio mixer provides 48V phantom power to the microphone.
3. Connect the sound card or audio mixer to your computer using a USB power cable and audio output cable.

DEVICE CONNECTION DIAGRAM / WAY 2



Image: Diagram illustrating connection method 2, showing the microphone connected to a professional sound card or audio mixer, and then to a computer.

Important Note:

This condenser microphone requires 48V phantom power to operate correctly. If your device (computer, sound card, or mixer) does not provide phantom power, an external phantom power supply (not included) is necessary.

OPERATING INSTRUCTIONS

Once the microphone kit is assembled and connected, follow these guidelines for optimal performance:

- **Microphone Placement:** Position the microphone approximately 6-12 inches (15-30 cm) from the sound source. The cardioid pickup pattern is most sensitive to sounds directly in front of the microphone.
- **Pop Filter Usage:** Ensure the pop filter is positioned between your mouth and the microphone. This helps to reduce plosive sounds (like 'p' and 'b') and protects the microphone from moisture.
- **Gain Adjustment:** Adjust the input gain on your sound card, audio mixer, or computer settings to achieve an appropriate recording level. Avoid setting the gain too high, which can lead to distortion, or too low, which can result in a weak signal.

- **Monitoring:** Use headphones connected to your audio interface or computer to monitor your sound in real-time and make necessary adjustments.
- **Software Settings:** Configure your recording software or communication application to select the TONOR microphone as the input device.



Image: A person using the TONOR XLR Condenser Microphone Kit in a professional studio environment, demonstrating typical usage.



Image: A person singing into the TONOR XLR Condenser Microphone Kit, highlighting its use for vocal recording.

Product Overview Video

Your browser does not support the video tag.

Video: An official TONOR video providing an overview of the Professional Studio Condenser Microphone Computer PC Microphone Kit, including its components and features.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your microphone kit:

- **Cleaning:** Use a soft, dry cloth to clean the microphone body and stand. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the microphone in a dry, dust-free environment. It is recommended to use the original packaging or a dedicated microphone case.
- **Cable Care:** Avoid sharp bends or kinks in the cables. Store cables neatly to prevent damage.
- **Shock Mount:** Periodically check the elastic bands of the shock mount for wear and tear. Replace if necessary to maintain effective vibration isolation.

TROUBLESHOOTING

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

- **No Sound Output:**

- Ensure 48V phantom power is supplied to the microphone.
- Check all cable connections to ensure they are secure and correctly plugged in.
- Verify that the microphone is selected as the input device in your computer's sound settings and recording software.
- Adjust the input gain/volume levels on your audio interface/mixer and computer.

- **Low Volume:**

- Confirm 48V phantom power is active.
- Increase the input gain on your audio interface/mixer or computer.
- Ensure the microphone is positioned close enough to the sound source (6-12 inches).

- **Distorted Sound:**

- Reduce the input gain on your audio interface/mixer or computer.
- Ensure the microphone is not too close to the sound source, causing clipping.

- **Excessive Background Noise:**

- Ensure the microphone is facing the desired sound source, utilizing its cardioid pattern.
- Minimize ambient noise in your recording environment.
- Check for ground loops or electrical interference; try connecting to a different power outlet.

SPECIFICATIONS

Feature	Specification
Brand	TONOR
Model Number	TN516BL
Microphone Form Factor	Boundary
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	USB, XLR
Connector Type	3.5 mm Jack, USB, XLR
Power Source	Corded Electric (Requires 48V Phantom Power)
Audio Sensitivity	132 Decibels
Signal-to-Noise Ratio	76 dB
Item Weight	8 ounces (0.5 Pounds)
Color	Black
Hardware Platform	Laptop, PC, Tablet

Recommended Uses	Streaming, Video Recording, Voice Recording
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WARRANTY AND SUPPORT

TONOR products typically come with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, product inquiries, or warranty claims, please visit the official TONOR website or contact their customer service directly.

Included components: amplifier, USB cable, warranty card.

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