

Gototoolz GTZ87

Gototoolz GTZ87 Vintage-Style Large Diaphragm Condenser Microphone

USER MANUAL

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Gototoolz GTZ87 Vintage-Style Large Diaphragm Condenser Microphone. Please read these instructions thoroughly before using the product to ensure optimal performance and longevity.

2. Safety Information

- Always connect the microphone to an audio interface or mixer that provides **48V phantom power**. Failure to do so will prevent the microphone from operating.
- Avoid exposing the microphone to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the microphone. This may void the warranty and cause damage.
- Handle the microphone with care to prevent physical damage to the capsule or housing.
- Ensure all cables are securely connected before applying phantom power.

3. Package Contents

Verify that all items listed below are included in your package:

- Gototoolz GTZ87 Microphone
- Shock Mount
- Wooden Case
- XLR Cable



Image: The Gototoolz GTZ87 microphone, its shock mount, and an XLR cable are shown inside a protective wooden case.

Video: An unboxing demonstration of the GTZ87 Vocal Condenser Microphone, showing the contents as they are removed from the packaging.

Video: A detailed unboxing of the microphone in a studio setting, showcasing the microphone and its accessories.

4. Setup

1. **Attach the Shock Mount:** Securely fasten the shock mount to a microphone stand. The shock mount helps to isolate the microphone from vibrations and handling noise.
2. **Insert the Microphone:** Carefully place the GTZ87 microphone into the shock mount. Ensure it is firmly held but not overly tightened, which could damage the microphone.



Image: The Gototoolz GTZ87 microphone is shown correctly installed within its shock mount, ready for use.

3. **Connect the XLR Cable:** Connect one end of the provided XLR cable to the microphone's XLR output and the other end to an XLR input on your audio interface or mixer.
4. **Apply Phantom Power:** Activate the **+48V phantom power** on your audio interface or mixer. The GTZ87 is a condenser microphone and requires phantom power to operate.
5. **Adjust Input Gain:** Set the input gain on your audio interface or mixer to an appropriate level. Start with a low gain setting and gradually increase it while monitoring your audio levels to avoid clipping.

5. Operating Instructions

The Gototoolz GTZ87 is a large-diaphragm condenser microphone designed for a wide range of recording applications, particularly singing. It features a **unidirectional (cardioid) polar pattern**, meaning it is most sensitive to sounds coming from the front and rejects sounds from the sides and rear.

- **Placement:** Position the microphone directly in front of the sound source (e.g., vocalist, instrument) for optimal capture. Experiment with distance and angle to achieve the desired sound.
- **Pop Filter:** For vocal recordings, using a pop filter is recommended to reduce plosive sounds (P, B)

and protect the microphone capsule from moisture.

- **Monitoring:** Use headphones to monitor your audio signal during recording to identify and correct any issues in real-time.





Image: A detailed view of the Gototoolz GTZ87 microphone, highlighting its large diaphragm and nickel finish.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe the microphone's exterior. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the microphone in its wooden case to protect it from dust, moisture, and physical impact.
- **Environment:** Keep the microphone in a clean, dry environment with stable temperature and humidity.

7. Troubleshooting

Issue	Possible Cause	Solution
No sound output	No phantom power; faulty cable; incorrect input selection.	Ensure +48V phantom power is active. Check XLR cable connections. Verify correct input is selected on your audio interface/mixer.
Low or distorted sound	Incorrect gain setting; microphone too far/close; damaged capsule.	Adjust input gain. Optimize microphone placement. If issues persist, contact support.
Excessive background noise	Room acoustics; external interference; improper grounding.	Improve room treatment. Check for nearby electronic devices. Ensure proper grounding of equipment.

8. Specifications

- **Model Name:** GTZ87 Vocal Condenser Microphone
- **Connectivity Technology:** XLR
- **Connector Type:** 3 pin XLR
- **Polar Pattern:** Unidirectional
- **Impedance:** 140 Ohms
- **Microphone Form Factor:** Large Diaphragm
- **Power Source:** Phantom Power (48V)
- **Frequency Range:** 20Hz - 20kHz

- **Enclosure Material:** Nickel
- **Item Dimensions:** 10 x 4 x 4 inches

9. Warranty Information

Gototoolz products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Gototoolz website. Keep your proof of purchase for any warranty claims.

10. Support

If you encounter any issues or have questions not covered in this manual, please contact Gototoolz customer support. Contact information can typically be found on our official website or on the product packaging.