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## Warm Audio WA-8000

# Warm Audio WA-8000 Large-diaphragm Tube Condenser Microphone User Manual

Model: WA-8000 | Brand: Warm Audio

## 1. INTRODUCTION AND OVERVIEW

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The Warm Audio WA-8000 is a large-diaphragm tube condenser microphone designed for high-fidelity audio capture. It features a K67-style capsule, 6AU6 tubes, and custom Lundahl transformers, housed in an external heat sink assembly for optimal performance. This microphone is suitable for recording vocals, acoustics, and various instruments, offering a wide frequency response and detailed sound.





*Image 1: The Warm Audio WA-8000 Large-diaphragm Tube Condenser Microphone.*

## 2. WHAT'S IN THE Box

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Upon unboxing your Warm Audio WA-8000, you should find the following components:

- Warm Audio WA-8000 Microphone
- External Power Supply Unit (PSU)
- 5-pin Cable (for connecting microphone to PSU)
- Shock Mount
- Wooden Microphone Case
- Tweed Carrying Case
- User Manual







*Image 2: The Warm Audio WA-8000 Microphone mounted in its shock mount.*

### 3. SETUP GUIDE

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1. **Unpack Components:** Carefully remove all items from their packaging.
2. **Mount Microphone:** Attach the WA-8000 microphone securely to the provided shock mount.
3. **Secure to Stand:** Fasten the shock mount to a sturdy microphone stand.
4. **Connect Microphone to PSU:** Use the supplied 5-pin cable to connect the microphone to the External Power Supply Unit (PSU). Ensure the connectors are aligned and firmly seated.
5. **Power PSU:** Connect the PSU to a standard electrical outlet using the included power cable.
6. **Connect PSU to Audio Interface:** Connect the audio output from the PSU to an available XLR input on your audio interface or mixer using a high-quality XLR cable (sold separately).
7. **Verify Connections:** Double-check all connections to ensure they are secure before proceeding.

### 4. OPERATING INSTRUCTIONS

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1. **Power On:** Turn on the External Power Supply Unit using its power switch. Allow a few moments for the tube to warm up.
2. **Select Polar Pattern:** The WA-8000 offers two selectable polar patterns. Use the switch located on the microphone body to choose between:
  - **Omnidirectional:** Captures sound equally from all directions. This pattern is ideal for recording room ambiance, multiple vocalists, or instruments in a natural acoustic space.
  - **Cardioid:** Captures sound primarily from the front of the microphone, while significantly reducing sound from the sides and rear. This is suitable for isolating a single vocal or instrument, minimizing bleed from other sound sources.
3. **Microphone Placement:** Position the microphone appropriately for your sound source and desired recording characteristics. Experiment with distance and angle to achieve the best sound.
4. **Adjust Gain:** On your audio interface or mixer, adjust the input gain for the microphone channel. Aim for an optimal signal level that is strong enough for clear recording but avoids clipping or distortion.
5. **Begin Recording:** Once all settings are configured, you can begin recording your audio.

### 5. MAINTENANCE

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- **Cleaning:** Gently wipe the microphone body with a soft, dry, lint-free cloth. Avoid using liquid cleaners, solvents, or abrasive materials, as these can damage the finish or internal components.
- **Storage:** When not in use, always store the WA-8000 microphone in its dedicated wooden case. This protects it from dust, moisture, and potential physical damage.

- **Cable Care:** Handle all cables with care. Avoid sharp bends, kinks, or excessive pulling, which can damage the internal wiring.
- **Tube Life:** The 6AU6 vacuum tube inside the WA-8000 has a finite lifespan. If you notice a significant degradation in sound quality over time, it may indicate that the tube needs replacement. Consult a qualified technician for tube replacement to ensure proper handling and calibration.

## 6. TROUBLESHOOTING

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- **No Sound Output:**

- Ensure the PSU is powered on and its indicator light is active.
- Check all cable connections: microphone to PSU, PSU to power outlet, and PSU to audio interface/mixer.
- Verify that the correct input channel is selected on your audio interface/mixer.
- Confirm that the gain knob on your audio interface/mixer is turned up sufficiently.

- **Hum or Buzzing Noise:**

- Ensure all audio cables are properly shielded and are not running parallel to power cables.
- Check for potential ground loops by trying different power outlets or using a ground lift adapter (use with caution).
- Move the microphone away from sources of electromagnetic interference (e.g., computer monitors, power transformers).

- **Distorted Sound:**

- Reduce the input gain on your audio interface/mixer. The signal may be too hot, causing clipping.
- Ensure the microphone is not positioned too close to an excessively loud sound source.

## 7. SPECIFICATIONS

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| Feature                   | Detail                             |
|---------------------------|------------------------------------|
| Audio Sensitivity         | 134 Decibels                       |
| Microphone Form Factor    | Large Diaphragm                    |
| Item dimensions L x W x H | 18.2 x 16.3 x 8.25 inches          |
| Power Source              | Corded Electric (via External PSU) |
| Material                  | Brass                              |
| Signal-to-Noise Ratio     | 76 dB                              |
| Number of Channels        | 1                                  |
| Manufacturer              | Warm Audio                         |
| UPC                       | 850016400697                       |
| Item model number         | WA-8000                            |

| Feature                      | Detail  |
|------------------------------|---|
| Date First Available         | August 30, 2021                                       |
| Color Name                   | Black   |
| Recommended Uses For Product | Singing   |
| Connectivity Technology      | XLR   |
| Connector Type               | XLR   |
| Special Feature              | Noise Reduction                                       |
| Compatible Devices           | Radio (General audio equipment)                       |
| Polar Pattern                | Bidirectional (Also Omnidirectional, as per features) |

## 8. WARRANTY AND SUPPORT

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For detailed warranty information, product registration, and technical support, please visit the official Warm Audio website or contact your authorized Warm Audio dealer. Keep your proof of purchase for any warranty claims.