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› ZealSound Studio Recording Microphone User Manual

ZealSound K08U Microphone Series

ZealSound Studio Recording Microphone User Manual

Model: K08U Microphone Series

1. PRODUCT OVERVIEW

The ZealSound Studio Recording Microphone is a versatile condenser microphone designed for high-quality audio capture across various platforms. It features a built-in sound card, echo and volume controls, active noise cancellation, and real-time monitoring capabilities, making it suitable for recording, streaming, gaming, and online communication.



Figure 1: ZealSound Studio Recording Microphone with its stand, pop filter, and various connection cables.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x ZealSound Studio-Grade Microphone
- 1 x Heavy-Duty Steel Shock Mount and Tripod Stand
- 1 x Dual-Layer Pop Filter
- 1 x 70.87 inch (180cm) USB Audio Cable
- 1 x 3.5mm Audio Cable
- 1 x USB Adapter for iPhone and iPad
- 1 x Type-C Adapter
- 1 x User Manual



Figure 2: Contents of the ZealSound microphone package, including the microphone, stand, pop filter, and various cables and adapters.

3. SETUP INSTRUCTIONS

1. **Assemble the Tripod Stand:** Unfold the legs of the tripod stand to create a stable base.
2. **Attach the Microphone:** Securely mount the microphone onto the shock mount on the tripod stand. Ensure it is firmly in place.
3. **Position the Pop Filter:** Attach the dual-layer pop filter to the stand and position it approximately 15-25 cm (5.9-9.84 inches) in front of the microphone. This helps minimize plosive sounds (like 'p' and 'b').
4. **Connect to Your Device:**
 - **For USB Devices (PC, Laptop, PS4/PS5):** Use the provided USB Audio Cable to connect the microphone directly to an available USB port on your computer or console.
 - **For iPhone/iPad:** Use the USB Audio Cable in conjunction with the USB Adapter for iPhone/iPad.
 - **For Type-C Devices (including iPhone 15):** Use the USB Audio Cable with the Type-C Adapter.

- **For Devices with 3.5mm Jack:** Use the provided 3.5mm Audio Cable.

The microphone is designed for plug-and-play operation and typically requires no additional drivers for Windows, iOS, macOS, Linux, and Android devices.



Figure 3: Plug & Play compatibility with various devices including iPhone/iPad, Windows, Mac OS, and PS4/PS5.

4. OPERATING INSTRUCTIONS

4.1. Controls and Features

The microphone features intuitive controls for optimal audio performance:

- **Echo Control:** Adjust the echo effect using the slide button. This allows for fine-tuning the reverberation to suit your recording environment or preference. The echo function can also be disabled.
- **Volume Control:** Adjust the microphone's sensitivity and output volume using the slide button. Sliding the volume button to the bottom will smoothly mute the microphone without any clicking sound.
- **Mute Indicator:** When the microphone is muted, the LED indicator will turn red, providing a clear visual cue.

- **Active Noise Cancellation (ANC):** The noise-canceling function is initially off. To activate, slide the "ANC" button upwards until the LED indicator turns green. This feature is ideal for reducing ambient noise in various recording environments.

ADVANCED NOISE CANCEL

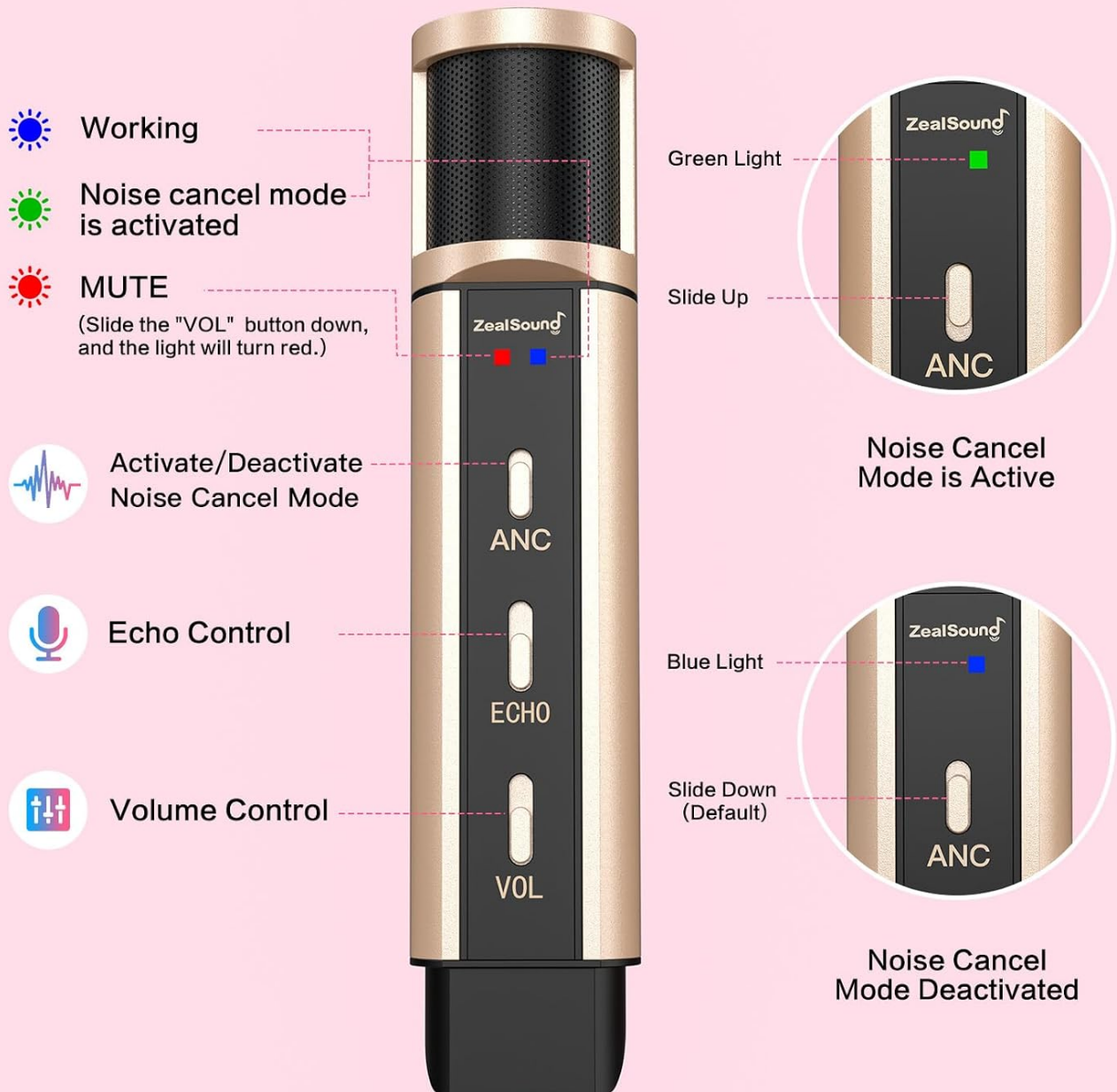


Figure 4: Detailed view of the microphone's controls for Volume, Echo, and Active Noise Cancellation (ANC).

4.2. Real-Time Monitoring

The microphone includes a 3.5mm headphone interface for direct, zero-latency monitoring of your audio. This allows you to hear your voice and device audio in real-time, ensuring optimal sound capture and preventing issues like audio clipping or excessive background noise during live broadcasts, recordings, or online calls.

Cardioid Polar Pattern

The built-in noise-canceling chipset ensures accurate capture of your voice.



Figure 5: Real-time monitoring feature via the 3.5mm headphone jack.

4.3. Cardioid Polar Pattern

The ZealSound microphone utilizes a Cardioid polar pattern, which means it is most sensitive to sound coming from directly in front of it and less sensitive to sounds from the sides and rear. This focused pickup pattern helps to effectively reject unwanted off-axis noise, resulting in clear and intelligible vocals for various applications such as ASMR, gaming, streaming, podcasting, and video recording.

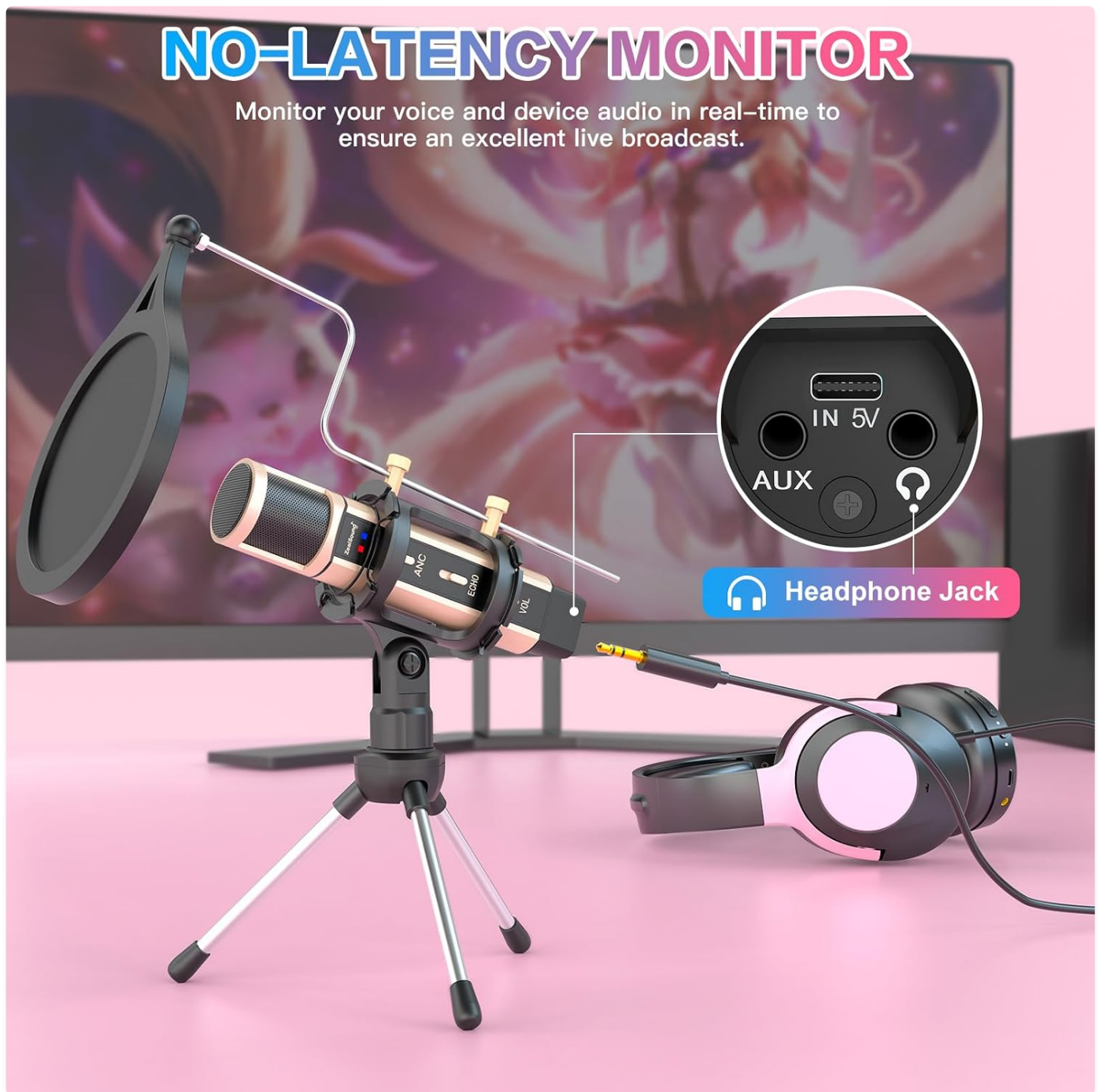


Figure 6: Visual representation of the Cardioid polar pattern, highlighting the microphone's directional sensitivity.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ZealSound microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone and stand. Avoid using harsh chemicals or abrasive materials that could damage the finish or internal components.
- **Storage:** When not in use, store the microphone and its accessories in a clean, dry place, away from extreme temperatures and humidity. The original packaging can be used for safe storage.
- **Charging:** The microphone contains a Lithium Polymer battery. It is recommended to charge the microphone for 2 hours before initial use. **Do NOT use the microphone while it is charging.**
- **Handling:** Handle the microphone with care. Avoid dropping it or subjecting it to strong impacts, as this can damage the internal components and affect sound quality.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound or low volume output.	◦ Microphone not powered on. ◦ Volume control set too low. ◦ Incorrect input device selected on your computer/device. ◦ Loose cable connection. ◦ Battery low (if applicable).	◦ Ensure the microphone is powered on. ◦ Slide the volume button upwards to increase volume. ◦ Check your device's sound settings and select the ZealSound microphone as the input device. ◦ Ensure all cables are securely connected. ◦ Charge the microphone for at least 2 hours.
Static or unclear audio.	◦ Active Noise Cancellation (ANC) is off. ◦ Environmental background noise. ◦ Improper microphone positioning. ◦ Cable interference or damage.	◦ Activate ANC by sliding the "ANC" button upwards (LED turns green). ◦ Ensure you are recording in a quiet environment. ◦ Position the microphone closer to the sound source and ensure the Cardioid pattern is facing the source. ◦ Try a different cable if possible, or ensure cables are not near power sources that could cause interference.
Pop filter issues (e.g., not screwing on well).	◦ Manufacturing defect or damaged part. ◦ Incorrect assembly.	◦ Ensure correct assembly as per instructions. ◦ Contact ZealSound customer support for assistance or replacement parts if defective.
Microphone not recognized by MacBook or Type-C device.	◦ Compatibility issue with specific models. ◦ Incorrect adapter used.	◦ For some MacBook or Type-C devices, ensure you are using the correct K08U model or adapter as specified by ZealSound. ◦ Verify the Type-C adapter is securely connected.

7. SPECIFICATIONS

Feature	Detail
Brand	ZealSound
Model Name	K08U Microphone Series
Connectivity Technology	USB/Type C/iPhone Jack/3.5mm Jack
Polar Pattern	Unidirectional (Cardioid)
Audio Sensitivity	112 dB

Feature	Detail
Signal-to-Noise Ratio	60 dB
Frequency Range	20-22KHz
Microphone Form Factor	Portable and Compact
Power Source	Corded Electric (USB powered)
Battery Type	1 Lithium Polymer battery (included)
Material	Aluminum, Acrylonitrile Butadiene Styrene, Sturdy Material
Item Weight	5.9 ounces (167.26 grams)
Dimensions (Microphone)	143 x 30 mm (5.63 x 1.18 inches)
Compatible Devices	Type-C Devices, Computer & Laptop & Macbook, Compatible with iPhone & Smartphones & Tablets, PS4&5
Special Features	Battery Indicator Light, Volume Control, Real-time Monitor, Echo Control, Active Noise Cancellation

8. WARRANTY AND SUPPORT

ZealSound is committed to providing high-quality products and excellent customer service. Your ZealSound microphone comes with gratis technical support.

For any technical assistance, questions, or concerns, please contact ZealSound customer support. You can also visit the official ZealSound store for more information and resources:

[Visit the ZealSound Store](#)

ZealSound has specialized in high-quality microphones and audio mixers for over 16 years, trusted in over 150 countries. Their mission is to make great sound available to all, and they are committed to earning your trust with every product.

