Emerson EAM-9051

Emerson EAM-9051 USB Gaming & Streaming Condenser Microphone User Manual

Model: EAM-9051 | Brand: Emerson

1. Product Overview

The Emerson EAM-9051 is a high-quality USB condenser microphone designed for gaming, streaming, podcasting, and content creation. It delivers professional-grade audio with crisp and clear vocal performance. Featuring a cardioid pickup pattern, it effectively minimizes background noise, focusing on your voice. The microphone comes equipped with a pop filter to reduce plosive sounds and a shock mount to isolate it from vibrations, ensuring a clean and uninterrupted audio experience. Its plug-and-play USB connectivity allows for easy setup on both PCs and Macs without the need for additional drivers.



Figure 1.1: The Emerson EAM-9051 USB Condenser Microphone, including the arm stand and pop filter.



Figure 1.2: Overview of the Emerson EAM-9051 microphone system, highlighting its key components.

2. Package Contents

Ensure all items are present in the package:

- USB Microphone
- 2.7M USB Cable
- Arm Stand with Base
- Foam Microphone Cover
- Shock Mount
- Pop Filter

3. Setup Guide

Follow these steps to set up your Emerson EAM-9051 microphone:

1. **Attach the Arm Stand:** Securely clamp the arm stand base to the edge of your desk or table. Ensure it is stable and tightened properly.
2. **Mount the Microphone:** Attach the shock mount to the microphone. Then, screw the shock mount assembly onto the arm stand. Adjust the arm stand to your desired height and position.
3. **Install the Pop Filter:** Attach the pop filter to the arm stand or directly to the microphone assembly, positioning it approximately 2-3 inches in front of the microphone.
4. **Connect the USB Cable:** Plug the provided 2.7M USB cable into the USB port on the microphone and then into an available USB port on your computer (PC or Mac).
5. **Plug-and-Play Setup:** The microphone is designed for plug-and-play operation. Your computer should automatically recognize the device. No additional drivers are typically required.
6. **Adjust System Settings:** Verify that the Emerson EAM-9051 is selected as the default input device in your computer's sound settings.

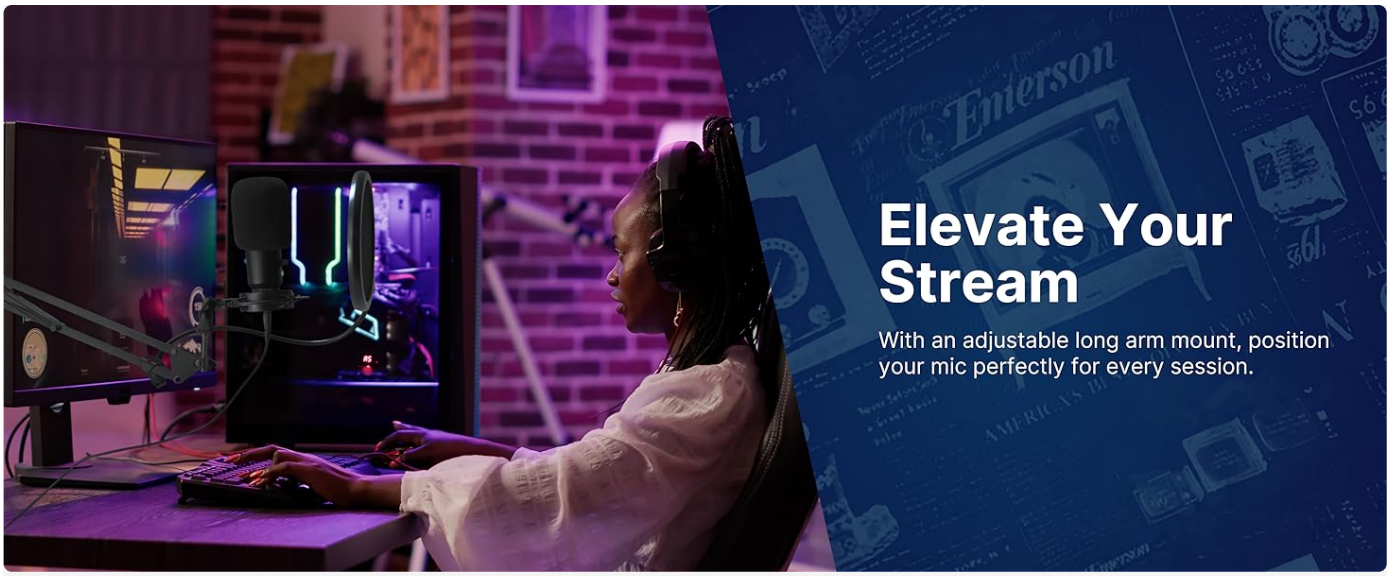


Figure 3.1: Proper setup of the microphone with the adjustable arm mount for optimal positioning.

4. Operating Instructions

4.1 Cardioid Pickup Pattern

The EAM-9051 features a cardioid pickup pattern, meaning it primarily captures sound from the front of the microphone while minimizing sound from the sides and rear. This is ideal for isolating your voice and reducing unwanted background noise during recordings or live streams.

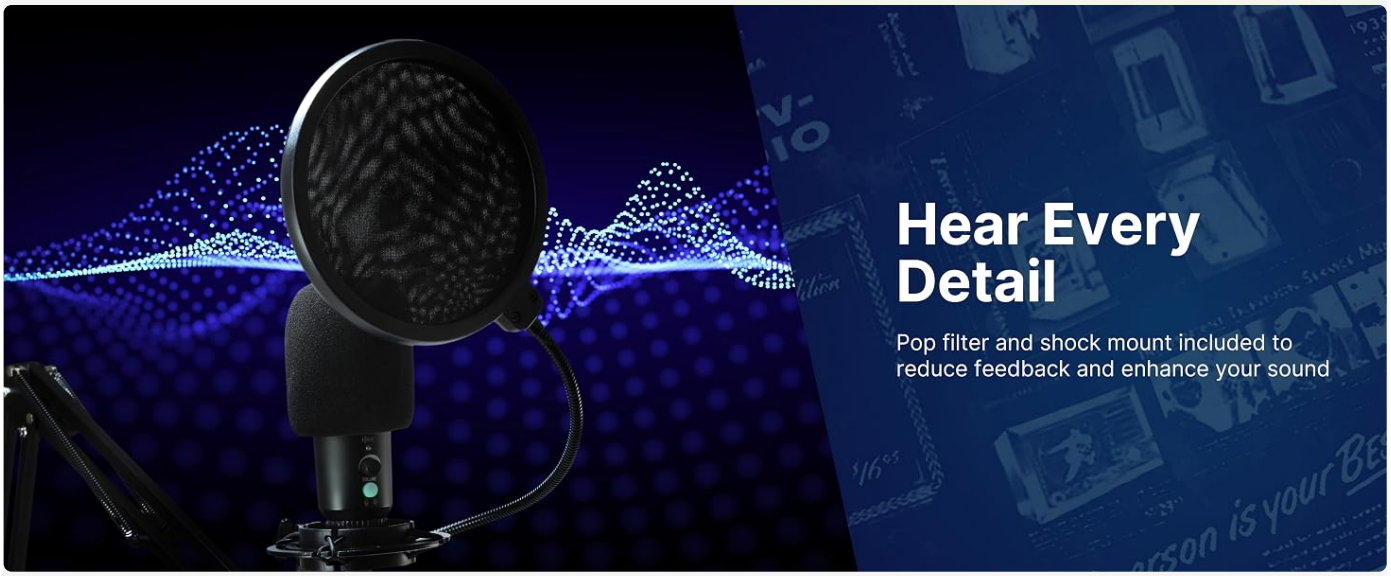


Figure 4.1: The cardioid pickup pattern helps focus on your voice, minimizing distractions.

4.2 Pop Filter and Shock Mount

The included pop filter helps to diffuse plosive sounds (like 'p' and 'b' sounds) that can cause harsh audio spikes. The shock mount isolates the microphone from vibrations and handling noise, ensuring a smooth and clear audio output.

Figure 4.2: The pop filter and shock mount work together to enhance sound quality.

4.3 Volume Control and Mute Button

The microphone features a conveniently placed volume knob for on-the-fly audio adjustments and a dedicated mute button for instant silence during unexpected moments.

Figure 4.3: Adjusting the microphone's volume using the integrated knob.

Figure 4.4: The mute button provides quick audio cutoff.

4.4 Earphone Monitoring

For professional audio monitoring, connect your earphones to the microphone's dedicated jack. This allows you to hear your audio input in real-time, ensuring optimal sound quality during recording or streaming sessions.

Figure 4.5: Real-time audio monitoring through earphones for precise sound control.

5. Care and Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone and stand. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the microphone in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the microphone to strong impacts, as this can damage internal components.
- **Moisture:** Keep the microphone away from water and high humidity to prevent damage.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone	◦ USB cable not properly connected. ◦ Microphone not selected as default input device. ◦ Microphone volume too low or muted.	◦ Ensure USB cable is securely plugged into both the microphone and computer. ◦ Go to your computer's sound settings and select "Emerson EAM-9051" as the input device. ◦ Check the volume knob on the microphone and ensure it's not muted.
Distorted or unclear sound	◦ Microphone too close or too far from sound source. ◦ Input volume too high (clipping). ◦ Environmental noise.	◦ Adjust microphone distance (ideally 6-12 inches from mouth). ◦ Lower the input volume on the microphone or in your computer's sound settings. ◦ Ensure you are speaking into the front of the microphone. Use the pop filter.
Microphone not recognized by computer	◦ Faulty USB port or cable. ◦ Temporary software glitch.	◦ Try a different USB port on your computer. ◦ Try a different USB cable if available. ◦ Restart your computer.

7. Technical Specifications

Model Number	EAM-9051
Brand	Emerson
Connectivity Technology	USB
Connector Type	USB
Polar Pattern	Unidirectional (Cardioid)
Power Source	Corded Electric
Item Dimensions (L x W x H)	9.84 x 6.7 x 6.7 inches
Item Weight	1.05 pounds (approx. 0.48 kg)
Included Components	USB Microphone, 2.7M Cable, Arm Stand with Base, Foam Microphone Cover, Shock Mount, Pop Filter
Compatible Devices	Personal Computer (PC, Mac)
Color	Black

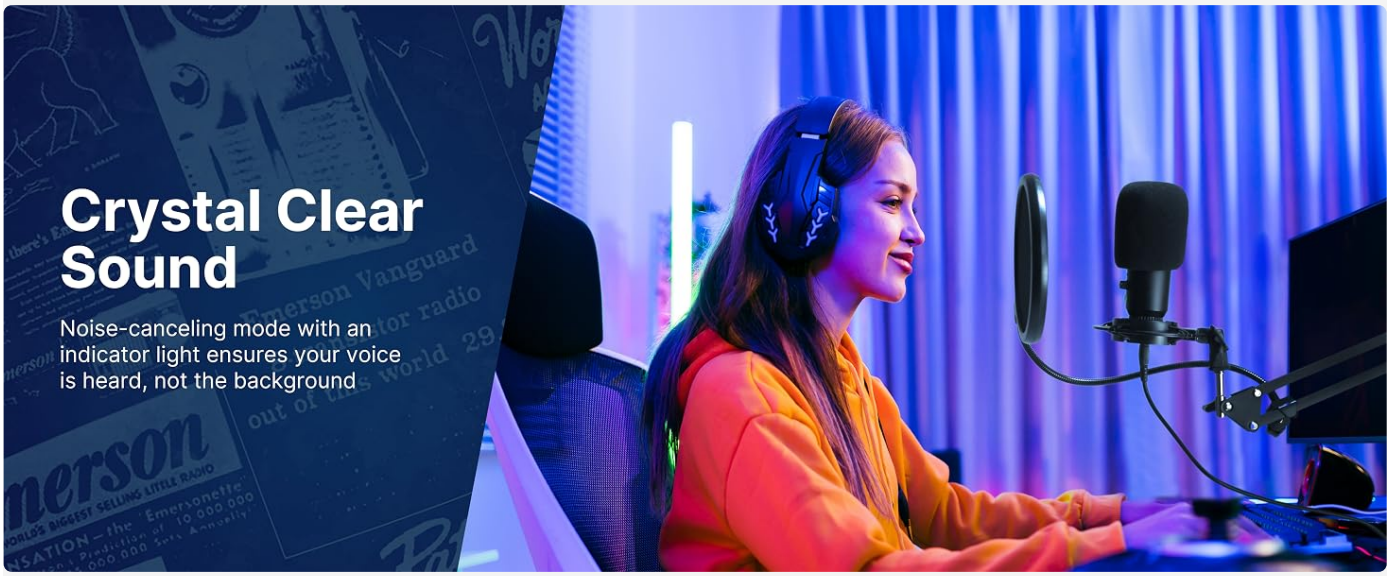


Figure 7.1: Key dimensions and weight of the Emerson EAM-9051 microphone system.

8. Warranty and Support

For warranty information, technical support, or customer service inquiries regarding your Emerson EAM-9051 microphone, please contact Emerson customer support directly or visit their official website.

You can also visit the official Emerson store on Amazon for more product information and support resources:

Visit the Emerson Store on Amazon

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