

## Aokeo AK-60

# Aokeo AK-60 Professional Microphones Set User Manual

Model: AK-60

## 1. INTRODUCTION

Thank you for choosing the Aokeo AK-60 Professional Microphones Set. This manual provides detailed instructions for the proper setup, operation, and maintenance of your microphone system. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

The Aokeo AK-60 is designed for high-quality audio capture, suitable for various applications including recording, singing, gaming, and streaming. Its robust construction and thoughtful design aim to provide clear and reliable sound reproduction.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Capacitor Microphone
- Pop Filter
- Foam Cover (Windscreen)
- Microphone Cable (XLR)
- Microphone Arm (Scissor Arm Stand)
- Shock Mount
- Desk Clamp
- USB Sound Adapter (for 3.5mm Jack/USB connectivity)



Image: All components included in the Aokeo AK-60 Professional Microphones Set.

### 3. SETUP INSTRUCTIONS

Follow these steps to assemble and connect your Aokeo AK-60 microphone set:

1. **Mount the Desk Clamp:** Securely attach the desk clamp to the edge of your desktop. Ensure it is tightened sufficiently to provide a stable base for the microphone arm.
2. **Install the Microphone Arm:** Insert the base of the microphone arm into the hole on the desk clamp. Adjust the arm to your desired position. The multi-angle adjustment bracket allows for flexible positioning.
3. **Attach the Shock Mount:** Screw the shock mount onto the threaded end of the microphone arm.
4. **Insert the Microphone:** Carefully place the capacitor microphone into the shock mount. The shock mount helps to isolate the microphone from vibrations and handling noise.
5. **Install the Pop Filter:** Attach the pop filter to the microphone arm. Position the pop filter approximately 2-3 inches in front of the microphone to reduce plosive sounds (like 'p' and 'b').
6. **Connect the Audio Cable:** Connect one end of the XLR microphone cable to the bottom of the microphone.

7. **Connect to Computer:** Connect the other end of the XLR cable to the USB sound adapter. Then, plug the USB sound adapter into an available USB port on your computer. For devices with an XLR input, connect the XLR cable directly.

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Video: Aokeyo AK-60 Microphone Set assembly and connection guide. This video demonstrates the step-by-step process of setting up the microphone arm, attaching the microphone and pop filter, and connecting the system to a computer.



Image: The Aokeyo AK-60 Professional Microphones Set fully assembled and ready for use.

## 4. OPERATING INSTRUCTIONS

The Aokeyo AK-60 microphone features a cardioid pick-up pattern, which means it primarily captures sound from the front, reducing interference from the sides and rear. This design helps to eliminate background noise and focus on the intended sound source.

# THE CARDIOID PICK-UP PATTERN

## CONDENSER MICROPHONE



Image: Diagram showing the cardioid pick-up pattern, which helps in eliminating interference and reducing reflection for clear sound quality.

### 4.1 Basic Usage

- **Positioning:** For best results, speak or sing directly into the front of the microphone, typically 6-12 inches away. The pop filter should be between your mouth and the microphone.
- **Software Settings:** After connecting, ensure your computer's audio input settings recognize the microphone (often labeled as 'USB Audio Device' or similar). Adjust input volume levels as needed within your operating system or recording software.
- **Monitoring:** If your USB sound adapter or audio interface has a headphone jack, use it to monitor your audio in real-time.

### 4.2 Applications

This microphone set is suitable for:

- Recording vocals and instruments
- Live streaming and podcasting
- Online gaming communication
- Voiceovers and narration
- Karaoke





Image: Examples of the Aokeo AK-60 microphone being used for recording, singing, gaming, and chatting.

## 5. MAINTENANCE

Proper care will extend the life and performance of your microphone set:

- **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 clean, dry place, away from extreme temperatures and humidity.
- **Handling:** Avoid dropping or subjecting the microphone to strong impacts, as this can damage internal components.
- **Pop Filter/Foam Cover:** Periodically clean the pop filter and foam cover. The foam cover can be gently hand-washed with mild soap and water, then air-dried completely before re-use.

## 6. TROUBLESHOOTING

If you encounter issues with your Aokeo AK-60 microphone set, please refer to the following common problems and solutions:

- **No Sound Output:**

- Ensure all cables are securely connected.
  - Verify that the microphone is selected as the input device in your computer's sound settings and recording software.
  - Check the input volume levels on your computer and software.
  - If using an audio interface, ensure phantom power (48V) is enabled if required by the microphone (this model is a condenser microphone and typically requires phantom power, often supplied by an audio interface or mixer).
- **Low Volume:**
    - Increase the microphone input volume in your computer's settings and recording software.
    - Ensure you are speaking directly into the front of the microphone and at an appropriate distance.
    - Confirm that phantom power is active if using an audio interface.
- **Distorted Sound:**
    - Reduce the microphone input volume to prevent clipping.
    - Ensure the microphone is not too close to the sound source.
    - Check for damaged cables.
- **Background Noise/Hum:**
    - Ensure all connections are secure.
    - Try connecting the computer and audio equipment to different power outlets to avoid ground loops.
    - Minimize other electronic devices near the microphone.
    - The cardioid pattern helps reduce ambient noise; ensure the microphone is correctly oriented towards the sound source.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Aokeo
Model Number	AK-60
Microphone Form Factor	Microphone Only
Material	Metal (Steel net, Zinc alloy components)
Connectivity Technology	XLR
Connector Type	3.5 mm Jack, USB, XLR (via included adapter)
Polar Pattern	Unidirectional (Cardioid)
Audio Sensitivity	45 Decibels
Signal-to-Noise Ratio	78 dB
Frequency Response	16 KHz
Power Source	Corded Electric (requires phantom power)

Feature	Specification
Compatible Devices	Amplifier, Laptop, Personal Computer, Smartphone, Tablet
Item Weight	1.4 Kilograms (approx. 3.08 pounds)
UPC	854289008192

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Aokey AK-60 Professional Microphones Set, please refer to the contact information provided with your purchase or visit the official Aokey website. Keep your proof of purchase for warranty claims.