

CAD Audio AMS-U7

CAD Audio USB U7 Boundary Omnidirectional Condenser Microphone User Manual

Model: AMS-U7

INTRODUCTION

The CAD Audio USB U7 Boundary Omnidirectional Condenser Microphone is designed for clear audio capture in various settings, including home and office use. Its omnidirectional pickup pattern ensures 360-degree coverage, making it ideal for dictation, online meetings, and recording. This plug-and-play device offers high sensitivity and is compatible with both PC and Mac systems.



Figure 1: Front view of the CAD Audio USB U7 microphone with its USB cable connected, showcasing its compact, triangular design.

SAFETY INFORMATION

- Do not expose the microphone to extreme temperatures or humidity.
- Avoid dropping or subjecting the microphone to severe impacts.
- Keep the device away from liquids to prevent electrical shock or damage.
- Use only the provided USB cable or a compatible replacement.
- Do not attempt to disassemble or modify the microphone. Refer all servicing to qualified personnel.

PACKAGE CONTENTS

Verify that all items are present in your package:

- CAD Audio USB U7 Boundary Omnidirectional Condenser Microphone
- 10-foot USB Cable

SETUP

The CAD Audio USB U7 microphone is designed for simple plug-and-play operation. No additional drivers are typically

required for most operating systems.

1. **Placement:** Place the microphone on a flat, stable surface, such as a desk or conference table. Its low-profile design allows for unobtrusive placement.
2. **Connect USB Cable:** Insert the small end of the included 10-foot USB cable into the USB port on the microphone.
3. **Connect to Computer:** Insert the standard USB-A end of the cable into an available USB port on your PC or Mac computer.
4. **System Recognition:** Your computer's operating system should automatically detect and install the necessary drivers for the microphone. A blue LED indicator on the microphone will illuminate when it is powered and ready for use.
5. **Select as Input Device:**
 - **Windows:** Go to *Sound Settings > Input* and select "CAD Audio USB U7" or similar as your input device.
 - **macOS:** Go to *System Preferences > Sound > Input* and select "CAD Audio USB U7" or similar.



Figure 2: Top-down view of the CAD Audio USB U7 microphone, highlighting its triangular shape and the USB connection point.

OPERATING INSTRUCTIONS

The U7 microphone is designed for optimal performance in various audio capture scenarios.

- **Omnidirectional Pickup:** The microphone features an omnidirectional pickup pattern, meaning it captures sound equally from all directions (360 degrees). This makes it suitable for recording multiple speakers around a table or

capturing ambient sound.

- **Speech Tailored Frequency Response:** The U7's frequency response is specifically tailored for speech, ensuring clear and intelligible voice capture for dictation, online meetings, and voiceovers.
- **Application Use:** Once connected and selected as your input device, the microphone will work with any audio recording or communication software (e.g., Skype, Zoom, Microsoft Teams, voice recorders, dictation software).
- **Monitoring Audio:** Most software applications allow you to monitor the microphone's input level. Adjust the input gain within your software settings to prevent clipping (distortion) or ensure adequate volume.



Figure 3: An overhead perspective of the CAD Audio USB U7 microphone, showing its mesh grille and the CAD U7 logo.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphone. Do not use abrasive cleaners, solvents, or chemical sprays.
- **Storage:** When not in use, store the microphone in a clean, dry environment, away from dust and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the USB cable to prevent internal damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Microphone not detected / No sound input	USB cable not fully connected. Incorrect input device selected in system settings. USB port issue. Operating system driver conflict.	Ensure the USB cable is securely plugged into both the microphone and the computer. Verify that "CAD Audio USB U7" is selected as the default input device in your computer's sound settings. Try connecting the microphone to a different USB port on your computer. Restart your computer. If issues persist, check for operating system updates or consult CAD Audio support.
Low volume or poor sound quality	Microphone too far from sound source. Input gain too low in software settings. Environmental noise.	Position the microphone closer to the speakers. Increase the input gain/volume level in your computer's sound settings or the application you are using. Minimize background noise in the recording environment.
Distorted audio	Input gain too high. Microphone too close to sound source.	Decrease the input gain/volume level in your computer's sound settings or the application. Move the microphone slightly further away from the sound source.

SPECIFICATIONS

Model Name	CAD Audio U7
Item Model Number	AMS-U7
Connectivity Technology	USB
Connector Type	USB
Polar Pattern	Omnidirectional
Microphone Form Factor	Microphone Only
Hardware Platform	PC, Mac compatible
Item Weight	9.6 ounces (approx. 272 grams)
Product Dimensions (L x W x H)	6.2 x 8.5 x 3 inches (approx. 15.7 x 21.6 x 7.6 cm)
Material	Plastic, Metal

Signal-to-Noise Ratio	78 dB
Power Source	Corded Electric (USB powered)
Included Components	Microphone, USB Cable





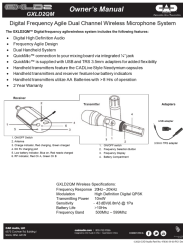

Figure 4: Bottom view of the CAD Audio USB U7 microphone, showing its textured base and mounting points.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CAD Audio website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

CAD Audio Official Website: www.cadaudio.com

Related Documents

	<p>CAD Audio PodMaster PM101 1/8" (3.5mm) Mini Microphone - Product Overview</p> <p>Learn about the CAD Audio PodMaster PM101, a plug-and-play mini cardioid condenser microphone ideal for video conferencing, mobile recording, streaming, and more. Features broadcast quality sound and broad device compatibility.</p>
	<p>CAD U37 USB Cardioid Condenser Studio Recording Microphone</p> <p>The CAD U37 USB microphone delivers studio-quality audio for social media, gaming, and home studio sessions. Featuring a cardioid pickup pattern, extended frequency response, and USB connectivity, it's ideal for vocals, speech, and instruments. Includes tripod stand and USB cable, compatible with PC and Mac.</p>
	<p>CAD Audio GXLD2QM Digital Frequency Agile Dual Channel Wireless Microphone System Owner's Manual</p> <p>Comprehensive owner's manual for the CAD Audio GXLD2QM Digital Frequency Agile Dual Channel Wireless Microphone System, detailing features, setup, operation, specifications, and warranty information.</p>
	<p>CAD Audio Acousti-shield 32: Stand Mounted Acoustic Enclosure for Professional Recording</p> <p>Detailed information on the CAD Audio Acousti-shield 32, a stand-mounted acoustic enclosure designed to reduce reflections and improve recording environments for studio and field use. Includes features, specifications, installation guide, and warranty details.</p>