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AKG CBL301

AKG CBL301 Boundary Layer Microphone User Manual

Model: CBL301 | Brand: AKG

INTRODUCTION

The AKG CBL301 is a triple-element, low-profile boundary layer microphone designed for use in conference rooms and meeting spaces. It features user controls for talk/mute functionality, LED indicators, and screw terminals for audio input/output. The microphone is engineered for straightforward installation and reliable operation.

Key Features:

- Low-profile design for discreet placement
- Triple-element cardioid microphone for clear audio capture
- Touch-sensitive control for talk/mute functions
- RGB LED ring indicators for visual status feedback
- RF interference suppression for stable performance

WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- CBL301 Microphone
- Threaded Rod
- Screws
- Wingnut
- End Seal and Table Seal

SETUP INSTRUCTIONS

Follow these steps to properly set up your AKG CBL301 microphone:

1. **Placement:** Position the microphone on a flat, stable surface in your conference or meeting area. The low-profile design allows for discreet integration.
2. **Mounting (Optional):** For permanent installation, use the provided threaded rod, screws, wingnut, and seals to secure the microphone to the table surface. This minimizes disruption and ensures

stability.

3. **Connectivity:** Connect the microphone to your audio system using an appropriate XLR cable (not included) via the screw terminals. Ensure secure connections for optimal audio transmission.
4. **Power:** The microphone is powered via a corded electric connection. Ensure it is connected to a compatible power source (3.3 Volts).



A side view of the AKG CBL301 microphone, illustrating its low-profile form factor. The illuminated green LED ring indicates the microphone's active status, and the AKG logo is visible on the base.

OPERATING INSTRUCTIONS

The CBL301 features intuitive touch controls and LED indicators for easy operation:

1. **Power On:** Once connected to power, the microphone will initialize.
2. **Talk/Mute Control:** To toggle between talk and mute states, gently touch the designated area on the microphone's surface.
3. **LED Indicators:** The RGB LED ring provides visual feedback on the microphone's status:
 - **Green:** Microphone is active and picking up audio.
 - **Red:** Microphone is muted.
 - **Blue:** (Specific status, refer to advanced settings if applicable, or typically indicates a specific

mode).

4. **Coverage Configuration:** The microphone's pickup pattern is user-configurable from 270 to 360 degrees. Consult your audio system's documentation for specific adjustments if required.



This image displays the AKG CBL301 microphone from a top-down perspective, highlighting its circular, low-profile design and the perforated grille covering the microphone elements. The touch-sensitive mute/unmute icons are visible around the perimeter.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your CBL301 microphone:

- **Cleaning:** Use a soft, dry cloth to wipe the microphone's surface. Avoid abrasive cleaners, solvents, or excessive moisture, which can damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the microphone in a clean, dry environment, away from extreme temperatures and humidity.
- **Cable Care:** Ensure all cables are free from kinks or damage. Replace any damaged cables immediately to prevent performance issues or safety hazards.

TROUBLESHOOTING

If you encounter issues with your CBL301 microphone, refer to the following common solutions:

- **No Sound Output:**
 - Check all cable connections to ensure they are secure.
 - Verify the microphone is not muted (check LED indicator for red light).
 - Confirm the audio system's input is correctly configured and volume levels are adequate.
 - Ensure the microphone is receiving power.
- **Distorted Sound:**
 - Check for loose cable connections.
 - Ensure the microphone is not placed too close to sound sources, causing clipping.
 - Verify the audio system's input gain is not set too high.
- **LED Indicator Not Working:**
 - Confirm the microphone is properly powered.
 - If the microphone functions but the LED does not, contact support.

If the problem persists after attempting these solutions, please contact AKG customer support.

SPECIFICATIONS

Feature	Detail
Model Name	CBL301
Item Model Number	5095183-00
Item Weight	1.7 pounds (0.77 kg)
Product Dimensions (L x W x H)	5.1 x 5.1 x 1.1 inches (12.95 x 12.95 x 2.79 cm)
Microphone Form Factor	Microphone Only (Boundary Layer)
Power Source	Corded Electric
Connectivity Technology	XLR
Connector Type	Screw Terminal
Polar Pattern	Unidirectional (Cardioid)
Voltage	3.3 Volts
Color	Black
UPC / GTIN	885038040514
Special Features	Touch control for talk/mute, RGB LED indicators, User-configurable coverage (270-360 degrees)

WARRANTY INFORMATION

This product is covered by a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the official AKG website or contact AKG customer support directly. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, product inquiries, or service requests, please visit the official AKG support website or contact their customer service department. Contact information can typically be found on the AKG website or in the product packaging.