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AKG C519 M

AKG C519 M Professional Miniature Clip-On Condenser Microphone User Manual

Model: C519 M | Brand: AKG

INTRODUCTION

The AKG C519 M is a professional miniature condenser microphone designed for brass and woodwind instruments. Its clip-on design allows for secure attachment to instruments such as trumpets, saxophones, trombones, and tubas. Featuring a cardioid polar pattern and a switchable bass cut, this microphone delivers clear and natural sound reproduction, making it suitable for both live performances and studio recording environments.

PRODUCT OVERVIEW





Figure 1: AKG C519 M Professional Miniature Clip-On Condenser Microphone. This image shows the microphone with its clip and gooseneck, ready for attachment to an instrument.

Key Features:

- **Cardioid Polar Pattern:** Allows for effective operation near stage monitors by reducing sound pickup from the sides and rear.
- **Integrated Transducer Shock Mount:** Minimizes mechanical noise and vibrations transmitted through the instrument.
- **Rubberized Mounting Clip:** Ensures a firm yet gentle fit on a variety of instruments, preventing damage.
- **Rugged Gooseneck:** Provides stable and precise positioning of the microphone for optimal sound capture.
- **Detachable Microphone Cable:** Facilitates easy installation, replacement, and servicing.
- **Switchable Bass Cut:** An integrated feature on the MPAV for adjusting the microphone's frequency response to reduce low-frequency rumble or proximity effect.

What's in the Box:

- C519 Microphone
- W44 Windscreen
- Microphone Bag
- Mini XLR to Mini XLR Cable (1.5m/5ft)

SETUP INSTRUCTIONS

- Attach the Microphone:** Gently open the rubberized mounting clip and secure it to the bell of your instrument. Ensure the microphone is positioned to capture the desired sound without obstructing your playing.
- Position the Gooseneck:** Adjust the flexible gooseneck to place the microphone capsule optimally relative to the instrument's sound source. Experiment with distance and angle to achieve the best sound.
- Connect the Cable:**
 - Connect the Mini XLR end of the provided cable to the microphone.
 - The other end of the cable is also Mini XLR, typically used for connecting to compatible AKG wireless body-pack transmitters (e.g., PT40/45/450/470). If connecting to a standard mixer or audio interface with XLR inputs, an appropriate Mini XLR to standard XLR adapter cable (not included) will be required.
- Apply Phantom Power:** The AKG C519 M is a condenser microphone and requires 48V phantom power to operate. Ensure your mixer or audio interface provides phantom power to the connected input channel. Failure to supply phantom power will result in no sound output.
- Install Windscreen:** Place the W44 windscreens over the microphone capsule to reduce plosives and wind noise, especially in live or outdoor settings.

OPERATING INSTRUCTIONS

- Gain Staging:** Set the input gain on your mixer or audio interface to an appropriate level. Start with the gain low and gradually increase it while playing your instrument until a strong signal is achieved without clipping (distortion).
- Bass Cut Switch:** The C519 M features a switchable bass cut filter. If you experience excessive low-frequency rumble, feedback, or proximity effect (an increase in bass response when the microphone is very close to the sound source), engage the bass cut switch to attenuate these frequencies.
- Monitor Placement:** Due to its cardioid polar pattern, the C519 M is designed to reject sound from the rear. Position stage monitors directly behind the microphone to minimize feedback.
- Cable Management:** Secure the microphone cable to prevent accidental disconnections or interference with your performance.

MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the microphone body and gooseneck. Do not use liquid cleaners or solvents, as these can damage the microphone's components.
- Windscreen Care:** The W44 windscreens can be gently hand-washed with mild soap and water if it becomes dirty. Ensure it is completely dry before reattaching it to the microphone.
- Storage:** When not in use, store the microphone in its provided microphone bag to protect it from dust, moisture, and physical damage. Avoid storing it in extreme temperatures or high humidity.
- Cable Inspection:** Regularly inspect the microphone cable for any signs of wear, fraying, or damage. Replace damaged cables promptly to ensure optimal performance and prevent electrical hazards.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">No phantom power supplied.Incorrect cable connection.Faulty cable.Mixer input gain too low.	<ul style="list-style-type: none">Ensure 48V phantom power is enabled on the connected mixer or audio interface channel.Verify all cable connections are secure and correct (Mini XLR to Mini XLR for wireless, or Mini XLR to XLR for wired).Test with a different cable.Increase the input gain on your mixer.

Problem	Possible Cause	Solution
Distorted sound	<ul style="list-style-type: none"> Input gain too high. Microphone too close to the sound source. 	<ul style="list-style-type: none"> Reduce the input gain on your mixer or audio interface. Adjust the gooseneck to increase the distance between the microphone and the instrument.
Excessive low-frequency noise or rumble	<ul style="list-style-type: none"> Proximity effect. Stage vibrations or handling noise. 	<ul style="list-style-type: none"> Engage the switchable bass cut filter on the microphone. Ensure the microphone is securely clipped and the integrated shock mount is functioning.
Feedback	<ul style="list-style-type: none"> Microphone pointed towards monitors. Gain too high. 	<ul style="list-style-type: none"> Reposition stage monitors directly behind the microphone. Reduce overall system gain or microphone input gain.

SPECIFICATIONS

Feature	Detail
Model Name	C519 M
Item Model Number	3065X00010
Brand	AKG
Microphone Form Factor	Microphone only (Clip-On)
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	Wired
Microphone Output Connector	Mini XLR (requires Mini XLR to XLR adapter for standard wired connections)
Frequency Response	20 Hz - 20 kHz (with switchable bass cut)
Impedance	200 Ohms
Signal-to-Noise Ratio	78 dB
Power Source	Corded Electric (Requires 48V Phantom Power)
Material	Metal
Color	Black
Item Weight	1.01 Pounds (approx. 0.46 kg)
Product Dimensions (L x W x H)	7.8 x 5.5 x 2.7 inches (approx. 19.8 x 14 x 6.9 cm)
Recommended Uses	Voice recording, video recording, instrument miking (brass, woodwind)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AKG website or contact your authorized AKG dealer. Keep your proof of purchase for warranty claims.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

