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**AKG 6000H51020**

# AKG DGN99 E Dynamic Gooseneck Microphone with XLR Connector User Manual

Model: 6000H51020

## INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your AKG DGN99 E Dynamic Gooseneck Microphone. The DGN99 E is designed for public address and communication applications, featuring a cardioid polar pattern for clear sound capture and robust construction for durability.





Image: The AKG DGN99 E Dynamic Gooseneck Microphone, featuring a flexible gooseneck and an integrated XLR connector at its base.

## SAFETY INFORMATION

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- Do not expose the microphone to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the microphone to severe impacts.
- Ensure proper ventilation if used in an enclosed space.
- Disconnect the microphone from its power source (if applicable) before cleaning or maintenance.
- Use only specified accessories and cables.

## PACKAGE CONTENTS

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Verify that the following items are included in your package:

- AKG Pro Audio DGN99 E Dynamic Gooseneck Microphone with Integrated XLR Connector

## SETUP

1. **Mounting:** Secure the gooseneck microphone into a compatible microphone stand or base with an XLR input. The flexible gooseneck allows for precise positioning.
2. **Connecting the Cable:** Insert the male end of a standard XLR microphone cable into the integrated XLR connector at the base of the DGN99 E microphone.
3. **Connecting to Audio System:** Connect the other end of the XLR cable to a microphone input on your mixer, audio interface, or public address system. Ensure the input is set to accept a dynamic microphone signal.
4. **Power:** The DGN99 E is a dynamic microphone and does not require phantom power.

## OPERATING INSTRUCTIONS

- **Positioning:** Position the microphone head towards the sound source. The cardioid polar pattern is most sensitive to sounds directly in front of it, reducing pickup from the sides and rear.
- **Gain Adjustment:** Adjust the gain (input level) on your mixer or audio system to achieve a strong signal without clipping or distortion.
- **Feedback Prevention:** Due to its cardioid pattern, the DGN99 E offers good off-axis rejection. To minimize feedback, ensure that loudspeakers are not pointed directly at the microphone.
- **Speech Applications:** For speech, position the microphone approximately 6-12 inches (15-30 cm) from the speaker's mouth for optimal clarity.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the microphone body. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the microphone in a protective case or a clean, dry environment to prevent dust accumulation and physical damage.
- **Cable Care:** Avoid sharp bends or kinks in the XLR cable to prolong its lifespan.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"><li>◦ Cable not connected properly</li><li>◦ Mixer/audio interface input gain too low</li><li>◦ Faulty XLR cable</li><li>◦ Incorrect input selected on audio system</li></ul>	<ul style="list-style-type: none"><li>◦ Check all cable connections.</li><li>◦ Increase input gain on your audio system.</li><li>◦ Try a different XLR cable.</li><li>◦ Verify the correct input channel is active.</li></ul>
Low or distorted sound	<ul style="list-style-type: none"><li>◦ Microphone too far from sound source</li><li>◦ Input gain too high (distortion) or too low (low sound)</li></ul>	<ul style="list-style-type: none"><li>◦ Move microphone closer to the sound source.</li><li>◦ Adjust input gain to an appropriate level.</li></ul>

Problem	Possible Cause	Solution
Feedback (howling sound)	<ul style="list-style-type: none"> <li>◦ Loudspeakers pointing at microphone</li> <li>◦ Microphone too close to loudspeakers</li> <li>◦ Overall system volume too high</li> </ul>	<ul style="list-style-type: none"> <li>◦ Reposition loudspeakers or microphone.</li> <li>◦ Reduce overall system volume.</li> <li>◦ Utilize an equalizer to cut problematic frequencies.</li> </ul>

## SPECIFICATIONS

<b>Model Name</b>	6000H51020
<b>Brand</b>	AKG
<b>Microphone Form Factor</b>	Gooseneck
<b>Polar Pattern</b>	Unidirectional (Cardioid)
<b>Connectivity Technology</b>	Wired
<b>Connector Type</b>	XLR
<b>Material</b>	Metal
<b>Color</b>	Black
<b>Audio Sensitivity</b>	54 Decibels
<b>Signal-to-Noise Ratio</b>	78 dB
<b>Item Weight</b>	0.42 Kilograms (14.7 ounces)
<b>Package Dimensions</b>	17.56 x 2.52 x 2.48 inches
<b>Manufacturer</b>	AKG
<b>Date First Available</b>	April 4, 2013
<b>UPC / GTIN</b>	885038028406

## WARRANTY AND SUPPORT

The AKG DGN99 E Dynamic Gooseneck Microphone is covered by the manufacturer's standard warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official AKG website or contact their customer service department.

You can find more information and support resources on the [AKG Pro Audio Store](#).