

Shure PG56-LC

Shure PG56-LC Instrument Dynamic Microphone

User Manual

1. INTRODUCTION

The Shure PG56-LC is a dynamic instrument microphone specifically designed for drum and percussion applications. Its tailored frequency response and cardioid polar pattern ensure clear, focused sound capture while minimizing off-axis noise and feedback. Built with durable metal construction, the PG56-LC is engineered to withstand the rigors of live performance and studio recording environments.

2. WHAT'S IN THE BOX

- Shure PG56-LC Instrument Dynamic Microphone
- Integrated Stand Mount
- 5/8 to 3/8 Inches Thread Adapter
- A50D Drum Microphone Mount
- Storage Bag



Image: Shure PG56-LC microphone with its integrated stand mount and A50D drum mount.



Image: The black storage bag included with the Shure PG56-LC microphone.

3. SETUP

1. Mounting the Microphone:

- Attach the A50D Drum Microphone Mount to the rim of your drum (snare, tom, etc.). Ensure it is securely fastened.
- Insert the PG56-LC microphone into the integrated stand mount on the A50D. Adjust the angle for optimal sound capture.
- Alternatively, for other applications, attach the integrated stand mount directly to a standard microphone stand using the 5/8 to 3/8 inches thread adapter if necessary.

2. Connecting to Equipment:

- Connect an XLR cable (not included with LC version) to the microphone's XLR output.
- Connect the other end of the XLR cable to a microphone input on your mixing console, audio interface, or digital recorder.
- Ensure phantom power is turned OFF on your mixer/interface, as the PG56-LC is a dynamic microphone and does not require it.

4. OPERATING THE MICROPHONE

The Shure PG56-LC is designed for ease of use and robust performance. Follow these guidelines for optimal operation:

- **Placement:** Position the microphone close to the drum head or percussion instrument for a strong, clear signal. Experiment with distance and angle to achieve the desired tone.
- **Cardioid Polar Pattern:** The PG56-LC features a cardioid pickup pattern, meaning it is most sensitive to sound coming from directly in front of it and rejects sound from the sides and rear. This helps to isolate the instrument and reduce bleed from other sound sources on stage or in the studio.
- **High SPL Handling:** The dynamic cartridge is capable of handling extremely high sound pressure levels (SPL) without distortion, making it ideal for loud instruments like drums.
- **Internal Shock Mount:** The integrated internal shock mount helps to reduce handling noise and vibrations transmitted through the stand or drum mount, ensuring a cleaner audio signal.
- **Frequency Response:** The microphone's frequency response is specifically tailored for drum applications, providing a smooth and extended sound profile.

5. MAINTENANCE

Proper care will ensure the longevity and performance of your Shure PG56-LC microphone:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone body. For the grille, a soft brush can be used to remove debris. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the microphone in its included storage bag to protect it from dust, moisture, and physical damage.
- **Handling:** While durable, avoid dropping the microphone or subjecting it to excessive force, as this can damage the internal components.
- **Cable Care:** Always grasp the connector, not the cable, when plugging or unplugging. Avoid kinking or tightly winding the cable.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none"> • Cable not connected properly • Mixer/interface input gain too low • Faulty cable • Phantom power enabled (for dynamic mic) 	<ul style="list-style-type: none"> • Check all cable connections • Increase input gain on mixer/interface • Try a different XLR cable • Ensure phantom power is OFF
Low Volume / Weak Signal	<ul style="list-style-type: none"> • Microphone too far from source • Input gain too low 	<ul style="list-style-type: none"> • Move microphone closer to the instrument • Increase input gain
Distorted Sound	<ul style="list-style-type: none"> • Input gain too high (clipping) • Damaged microphone 	<ul style="list-style-type: none"> • Reduce input gain on mixer/interface • Test with another microphone; if problem persists, contact support
Excessive Feedback	<ul style="list-style-type: none"> • Microphone too close to speakers • Monitor volume too high • Improper microphone placement 	<ul style="list-style-type: none"> • Reposition microphone away from speakers • Reduce monitor volume • Adjust microphone angle to utilize cardioid rejection

7. SPECIFICATIONS

Feature	Detail
Microphone Form Factor	Microphone Only
Dimensions (L x W x H)	3.25 x 4.88 x 10.25 inches
Power Source	Corded Electric (No phantom power required)
Material	Alloy Steel
Signal-to-Noise Ratio	70 dB
Number of Channels	1
Frequency Response	20 Hz - 20 kHz (typical for dynamic mics, based on 2E+1 Hz)

Feature	Detail
Item Weight	1.5 pounds
Color	Black
Recommended Uses	Drum Microphone, Percussion Recording
Connectivity Technology	XLR
Polar Pattern	Unidirectional (Cardioid)

8. WARRANTY AND SUPPORT

Shure products are known for their reliability and quality. For detailed warranty information, please refer to the official Shure warranty document:

[View Warranty \(PDF\)](#)

For further assistance, technical support, or service inquiries, please visit the official Shure website or contact their customer service department. You may also find additional resources and a comprehensive user guide on the Shure product page:

[Download User Guide \(PDF\)](#)