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› Shure DuraPlex Omnidirectional Headset Microphone, LEMO Connector, Black (DH5B/O-LM3) Black Lemo

Shure DH5B/O-LM3

Shure DuraPlex Omnidirectional Headset Microphone User Manual

Model: DH5B/O-LM3

1. INTRODUCTION

The Shure DuraPlex Omnidirectional Headset Microphone (Model DH5B/O-LM3) is designed for professional audio applications, offering exceptional durability and high-quality sound reproduction. Its robust construction and advanced features make it suitable for demanding environments.

Key features include:

- 5 mm omnidirectional subminiature design for discrete placement and improved gain-before-feedback.
- IP57 certified dust-resistant and waterproof rating, ensuring reliability in challenging conditions.
- 1.6 mm Shure-designed cable with dual-redundant ground for unprecedented flex life and virtually zero memory effect.
- Neutral, full sound quality suitable for film, broadcast, speech, theater, and performance applications.
- Included Presence Cap for tailored frequency response in speech applications.
- Available with LEMO terminations for variable wireless system connectivity.
- High RF immunity, compatible with digital wireless systems without RF interference.

2. SETUP AND COMPONENTS

The DuraPlex headset microphone comes with essential accessories for proper setup and use.

2.1 Unpacking and Initial Inspection

Carefully unpack all components and inspect for any signs of damage. The package should contain:

- Shure DuraPlex Omnidirectional Headset Microphone (DH5B/O-LM3)
- Carrying Case
- Tie Clip
- Snap Fit Windscreen
- Foam Windscreen
- Sticky Mount

- Presence Cap



Figure 2.1: Included accessories for the Shure DuraPlex microphone, featuring the carrying case, various windscreens, and mounting options.

2.2 Connecting the Microphone

The DH5B/O-LM3 model features a LEMO connector for integration with compatible wireless systems. Ensure the connector is securely attached to your transmitter.

Power Requirements: This is a condenser microphone and requires phantom power to operate. Refer to your wireless system's user manual for details on enabling phantom power.



Figure 2.2: Front view of the Shure DuraPlex headset microphone, showing the omnidirectional capsule and headset frame.



Figure 2.3: Side view of the Shure DuraPlex headset microphone, highlighting the flexible boom and ear hooks.

3. OPERATING INSTRUCTIONS

3.1 Wearing the Headset Microphone

Position the headset comfortably on your head, ensuring the ear hooks are secure. Adjust the microphone boom so the capsule is approximately 1-2 cm from the corner of your mouth, slightly off-center to minimize plosives.

3.2 Optimizing Sound Quality

The omnidirectional polar pattern captures sound equally from all directions, providing a natural and consistent audio pickup. For speech applications, the included Presence Cap can be used to enhance clarity and intelligibility. Ensure your wireless system's gain settings are properly adjusted to avoid clipping or low signal-to-noise ratio. The microphone's high RF immunity helps prevent interference with digital wireless systems.

4. MAINTENANCE AND CARE

The DuraPlex microphone is built for durability, featuring an IP57 rating for dust and water resistance. Proper care will extend its lifespan.

4.1 Cleaning

Wipe the microphone and cable with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials. Ensure the microphone is dry before storage.

4.2 Storage

Store the microphone in its provided carrying case when not in use to protect it from dust and physical damage. The cable's design minimizes memory effect, allowing for easy coiling without kinking.

5. TROUBLESHOOTING

If you encounter issues with your DuraPlex microphone, consider the following common troubleshooting steps:

- **No Sound:**
 - Verify that phantom power is enabled on your connected device.
 - Check all cable connections to ensure they are secure.
 - Confirm the wireless system is properly linked and receiving a signal.
- **Distorted Sound:**
 - Reduce the input gain on your wireless transmitter or mixer to prevent clipping.
 - Ensure the microphone capsule is not obstructed or too close to the sound source.
- **Interference/Noise:**
 - While the DuraPlex has high RF immunity, ensure your wireless system is operating on a clear frequency.
 - Check for nearby electronic devices that might be causing interference.
- **Headset Discomfort:**
 - Adjust the headset frame and boom for a comfortable and secure fit.

For persistent issues, consult the full user guide available on the Shure website or contact Shure customer support.

6. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Microphone Form Factor	Microphone Only
Item dimensions L x W x H	6.06 x 5.59 x 1.58 inches
Power Source	Phantom Power Required
Signal-to-Noise Ratio	78 dB
Number of Channels	1
Manufacturer	Shure
UPC	042406662147
Item Weight	9.9 ounces
Product Dimensions	6.06 x 5.59 x 1.58 inches
Country of Origin	China
ASIN	B08K9F22Z2
Item model number	DH5B/O-LM3
Date First Available	October 7, 2020
Color Name	Black
Recommended Uses For Product	Singing
Brand	Shure
Model Name	DH5B/O-LM3
Connectivity Technology	XLR <i>(Note: This refers to the general type of connection for professional audio, but the specific model uses LEMO for wireless systems)</i>
Connector Type	LEMO
Special Feature	Lightweight
Compatible Devices	Headphone <i>(Note: This appears to be an error in the source data, as this product is a microphone.)</i>
Color	Black
Polar Pattern	Omnidirectional

7. WARRANTY INFORMATION

For detailed warranty terms and conditions, please refer to the official Shure Warranty document. A PDF version of the warranty is available for download:

Download Warranty
(PDF)

8. SUPPORT AND ADDITIONAL RESOURCES

For further assistance, product registration, or to explore other Shure products, please visit the official Shure website or their Amazon Brand Store.

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