

LD Systems U500 DC

LD Systems U500 DC Cardioid Dynamic Microphone Head Instruction Manual

Model: U500 DC

1. INTRODUCTION

The LD Systems U500 DC is a cardioid dynamic microphone head designed for use with the U500 Series wireless handheld transmitters. It offers flexible application variety and is engineered to provide clear audio capture with excellent feedback resistance. This microphone head features a shock-mount capsule to minimize handling noise and utilizes gold-plated contacts for reliable signal transmission.

2. KEY FEATURES

- **Cardioid Polar Pattern:** Designed to pick up sound primarily from the front, reducing pickup from the sides and rear, which helps in minimizing feedback.
- **Dynamic Capsule:** Robust and suitable for various vocal and instrument applications.
- **Shock-Mount Design:** Integrated shock-mount reduces handling noise and vibrations for cleaner audio.
- **Gold-Plated Contacts:** Ensures superior conductivity and corrosion resistance for reliable performance.
- **Screw-On Installation:** Facilitates easy and secure attachment to compatible U500 Series handheld transmitters.

3. SETUP AND INSTALLATION

The U500 DC microphone head is designed for quick and secure attachment to compatible LD Systems U500 Series handheld transmitters.

1. **Prepare the Transmitter:** Ensure your LD Systems U500 Series handheld transmitter is powered off before installation.
2. **Align the Head:** Carefully align the threaded base of the U500 DC microphone head with the top of the handheld transmitter.

3. **Screw On:** Gently screw the microphone head onto the transmitter in a clockwise direction until it is firmly seated. Do not overtighten.
4. **Verify Connection:** Once attached, ensure there is no wobble and the connection feels secure.



Microphone is not included

Figure 1: LD Systems U500 DC microphone head ready for attachment to a handheld transmitter. The image illustrates the separate components before assembly.



Figure 2: Detailed view of the LD Systems U500 DC microphone head. This image highlights the robust grille and the threaded base for secure attachment.

4. OPERATING INSTRUCTIONS

Once the U500 DC microphone head is securely attached to a compatible LD Systems U500 Series handheld transmitter, its operation is governed by the transmitter's controls.

- **Power On:** Power on your handheld transmitter according to its specific instructions.
- **Pairing:** Ensure the transmitter is correctly paired with its receiver. Refer to your U500 Series wireless system manual for detailed pairing procedures.
- **Sound Check:** Perform a sound check to verify audio transmission and adjust gain levels on your mixer or receiver as needed.
- **Microphone Placement:** For optimal sound quality and feedback rejection, position the microphone head directly towards the sound source. The cardioid pattern is most sensitive at the front.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your microphone head.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the microphone head. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the finish or internal components.
- **Storage:** When not in use, store the microphone head in a clean, dry place, preferably in its original packaging or a protective case, away from extreme temperatures and humidity.
- **Handling:** Avoid dropping or subjecting the microphone head to strong impacts, as this can damage the capsule or internal wiring.
- **Moisture:** Keep the microphone head away from moisture and liquids. If it becomes wet, power off the associated transmitter immediately and allow it to dry completely before further use.

6. TROUBLESHOOTING

If you encounter issues with your U500 DC microphone head, consider the following common troubleshooting steps:

- **No Sound:**
 - Ensure the microphone head is securely screwed onto the transmitter.
 - Verify the transmitter is powered on and has fresh batteries.
 - Check that the transmitter is correctly paired with the receiver.
 - Confirm that the receiver is powered on and connected to your audio system.
 - Check audio cables and input selections on your mixer/audio interface.
- **Poor Sound Quality / Distortion:**
 - Adjust the gain settings on your transmitter or receiver to prevent clipping.
 - Ensure the microphone head is clean and free from debris.
 - Check for environmental interference if using a wireless system.
- **Feedback:**
 - Reposition the microphone to avoid pointing it directly at loudspeakers.
 - Reduce the gain on your mixer or receiver.
 - Utilize a graphic equalizer to cut problematic frequencies.

For persistent issues, consult the full LD Systems U500 Series wireless system manual or contact LD Systems customer support.

7. SPECIFICATIONS

Feature	Specification
Model	U500 DC
Brand	LD Systems
Polar Pattern	Unidirectional (Cardioid)
Microphone Type	Dynamic
Connection Type	Screw-on (for U500 Series handheld transmitters)

Special Features	Shock-mount capsule, Gold-plated contacts
Item Weight	3.52 ounces (approximately 100 grams)
Package Dimensions	4.13 x 3.31 x 2.56 inches
ASIN	B01MFBPLGH
GTIN	04049521212338

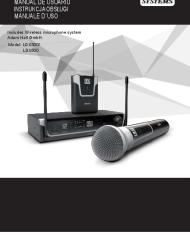
8. WARRANTY AND SUPPORT

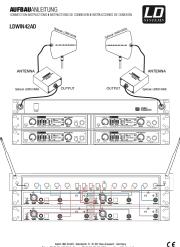
For information regarding the warranty period and terms for your LD Systems U500 DC Cardioid Dynamic Microphone Head, please refer to the warranty card included with your complete U500 Series wireless system or visit the official LD Systems website.

For technical support, service, or spare parts, please contact LD Systems customer service or your authorized dealer. You can find contact information on the official LD Systems website:

www.ld-systems.com

Related Documents - U500 DC

 <p>MAUI™ 44 G2 CARDIOID POWERED COLUMN LOUDSPEAKER</p>	<p>LD Systems MAUI 44 G2 Cardioid Powered Column Loudspeaker User Manual Comprehensive user manual for the LD Systems MAUI 44 G2 cardioid powered column PA system. Learn about assembly, connections, operation, features, technical specifications, safety guidelines, and more.</p>
 <p>U300™ SERIES DIVERSITY WIRELESS SYSTEM</p>	<p>LD Systems U300 Series User Manual: Diversity Wireless Systems Explore the LD Systems U300 Series Diversity Wireless Systems. This user manual provides detailed information on setup, operation, technical specifications, and troubleshooting for reliable, high-performance wireless audio solutions.</p>
 <p>USER'S MANUAL SYSTEME A MICROPHONES MANUEL D'UTILISATION SISTEMA DE MICROFONOS INSTRUCOES DE USO MANUAL DE USO</p>	<p>LD Systems U300 Series Wireless Microphone System User Manual Comprehensive user manual for the LD Systems U300 series UHF Diversity wireless microphone systems, covering setup, operation, troubleshooting, and technical specifications for models like LDU300 and LDU500.</p>

	<p>LD Systems WIN42AD Antenna Splitter and Receiver Connection Guide</p> <p>Detailed connection instructions and setup guide for the LD Systems WIN42AD antenna splitter and WIN42 R UHF PLL wireless microphone receivers. Learn how to connect antennas, receivers, and power for optimal performance.</p>
 <p>LD ROADBOY 6.5 PORTABLE SOUND SYSTEM 100 W</p>	<p>LD Systems Roadboy 6.5 Portable Sound System User Manual</p> <p>Comprehensive user manual for the LD Systems Roadboy 6.5 portable sound system, covering setup, operation, safety precautions, and specifications. Includes multilingual instructions.</p>
 <p>PRE 2 2 CHANNEL MICROPHONE AND LINE MIXER LEIPZIG</p>	<p>LD Systems PRE 2: 2-Channel Microphone and Line Mixer User Manual</p> <p>User manual for the LD Systems PRE 2, a compact 2-channel microphone and line mixer designed for professional audio installations. Learn about its features, connections, operation, safety, and maintenance.</p>