

Shure ULXD1--G50

Shure ULXD1 Bodypack Transmitter User Manual

Model: ULXD1--G50 | Brand: Shure

INTRODUCTION AND OVERVIEW

The Shure ULXD1 Bodypack Transmitter is a key component of the ULX-D Digital Wireless Microphone Systems, designed for professional sound reinforcement applications. It delivers uncompromising audio quality and robust RF performance, making it suitable for large conference and convention installations.

This intelligent system addresses common wireless challenges, including managing diverse sound sources and protecting against interference from smartphones and other signals. The ULX-D system supports high-density environments, allowing up to 47 systems to run simultaneously within a 6 MHz spectrum.



Image: Banner highlighting "Uncompromising Digital Wireless" capabilities of the Shure ULX-D system.

Key features include 24-bit digital audio with a wide frequency response for accurate sound capture, scalable control via Shure's Wireless Workbench, SystemOn, and Axient Spectrum Manager tools, and integration with AMX & Crestron. Security is ensured through AES-256 encryption, generating a randomized key for each use. The transmitter supports intelligent charging solutions, providing up to 9 hours of use with rechargeable batteries, with remote monitoring capabilities.

SETUP AND INSTALLATION

The ULXD1 Bodypack Transmitter requires a ULXD4 receiver (sold separately) to form a complete wireless system. It is crucial to match the frequency bands of the transmitter and receiver for proper system operation. This specific model operates in the G50 Band (470 – 534 MHz).

Battery Installation

The ULXD1 transmitter includes two AA batteries, providing approximately 11 hours of battery life. For extended use and precision metering, the optional Shure SB900A lithium-ion rechargeable battery can be used, offering over 11 hours of operation and zero memory effect.

1. Open the battery compartment cover on the back of the ULXD1 bodypack.
2. Insert two AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.
4. Alternatively, insert a fully charged Shure SB900A rechargeable battery.

Pairing with Receiver

Refer to your ULXD4 receiver's manual for detailed instructions on pairing the transmitter. Generally, this involves synchronizing the frequency settings between the transmitter and receiver, often through an infrared (IR) sync function.

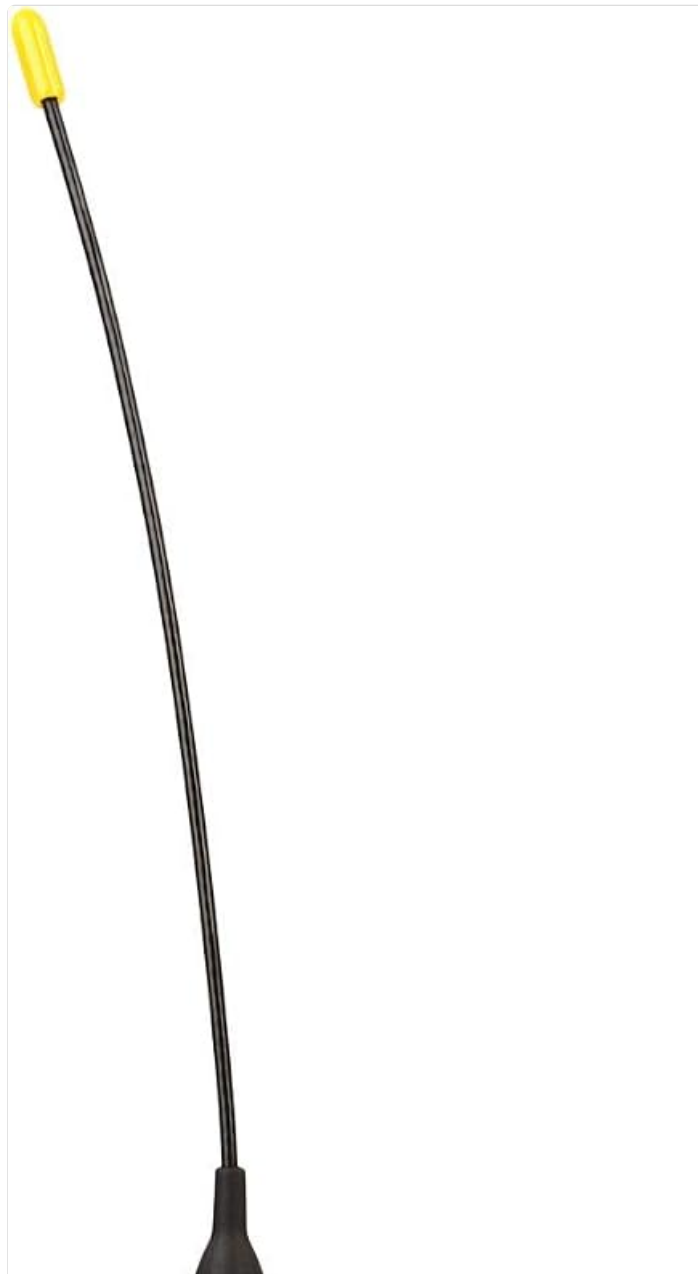




Image: The Shure ULXD1 Bodypack Transmitter with its antenna, displaying the screen and TA4F connector.



Image: A rack-mounted Shure ULXD4 receiver unit alongside ULXD1 bodypack transmitters and handheld microphones, illustrating a complete wireless system setup.

OPERATING INSTRUCTIONS

Powering On/Off

Press and hold the power button on the transmitter to turn it on or off. The display will illuminate upon power-up, showing current status information.

Gain Adjustment

The ULXD1 features proprietary Shure gain ranging, which automatically optimizes the system's dynamic range for any input source. This eliminates the need for manual transmitter gain adjustments, simplifying setup and ensuring optimal audio levels.

Monitoring and Control

Battery life and charge status can be monitored remotely using Shure software such as Wireless Workbench 6, SystemOn, and ShurePlus Channels apps. These applications provide comprehensive control and monitoring functionality for your entire ULX-D system.

Audio Connectivity

The ULXD1 uses a TA4F connector for microphone input. Ensure your microphone is securely connected to this port. The system supports Dante digital audio networking, allowing for seamless integration into professional audio networks.

MAINTENANCE

The ULXD1 Bodypack Transmitter is built with a rugged yet lightweight aluminum case, designed for durability in professional environments. Regular maintenance helps ensure its longevity and optimal performance.

Cleaning

- Wipe the exterior of the transmitter with a soft, dry cloth.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- Ensure no moisture enters the microphone input or battery compartment.

Battery Care

- If using rechargeable batteries, follow the manufacturer's guidelines for charging and storage.
- Remove AA batteries if the transmitter will not be used for an extended period to prevent leakage.
- Store the transmitter in a cool, dry place away from extreme temperatures.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ULXD1 Bodypack Transmitter.

Problem	Possible Cause	Solution
No audio output	Transmitter not powered on; Incorrect frequency match; Microphone not connected; Receiver issues.	Ensure transmitter is on. Verify frequency band matches receiver. Check microphone connection. Consult receiver manual.
Intermittent signal/dropouts	Interference; Transmitter too far from receiver; Obstructions; Low battery.	Check for local RF interference. Reduce distance to receiver. Ensure clear line of sight. Replace or recharge batteries.

Problem	Possible Cause	Solution
Poor audio quality (noise, distortion)	Incorrect gain settings; Microphone issue; RF interference.	The ULXD1 has automatic gain ranging, but ensure microphone is functioning correctly. Check for strong interference sources.
Short battery life	Old batteries; Battery type mismatch; Environmental factors.	Use fresh AA batteries or a genuine Shure SB900A. Ensure proper charging if using rechargeable. Operate within recommended temperature range.

For more complex issues or if the problem persists, please contact Shure customer support or refer to the comprehensive online resources available on the Shure website.

SPECIFICATIONS

Feature	Detail
Model Number	ULXD1=-G50
Frequency Band	G50 Band (470 – 534 MHz)
Connector Type	TA4F
Power Source	2 AA batteries (included) or Shure SB900A rechargeable battery (optional)
Battery Life	Up to 11 hours (with AA batteries)
Encryption	AES 256-bit
Housing Material	Rugged, lightweight aluminum
Dimensions (L x W x H)	12.75 x 4.75 x 3.5 inches
Item Weight	6.6 ounces
Compatible Devices	Digital Receiver, Shure QLX-D Wireless System Components of the same Frequency Band

WARRANTY INFORMATION

Shure products are designed for reliability and performance. For detailed information regarding the warranty coverage for your ULXD1 Bodypack Transmitter, please refer to the official Shure Warranty Document.

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

Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries about your Shure ULXD1 Bodypack Transmitter, please visit the official Shure website or contact their customer service department.

- **Shure Official Website:** www.shure.com
- **Shure Store on Amazon:** [Visit the Shure Store](#)

Shure provides extensive online resources, including FAQs, product documentation, and software downloads, to assist

users.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question