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Shure GLXD+FMZ3/LC

Shure GLX-D+FM Dual Band Frequency Manager User Manual

Model: GLXD+FMZ3/LC

1. Introduction

The Shure GLX-D+FM Dual Band Frequency Manager is designed to provide solid and reliable RF performance in demanding multi-channel applications, specifically for use with GLX-D+ Dual Band Wireless Systems. This device enhances the capabilities of your wireless setup by managing frequencies automatically and ensuring reliable, dropout-free audio. It supports operation in both 2.4 GHz and 5.8 GHz bands, significantly increasing available bandwidth and intelligently avoiding interference.

This manual provides essential information for setting up, operating, and maintaining your GLX-D+FM Frequency Manager to ensure optimal performance.



Figure 1: Shure GLX-D+FM Dual Band Frequency Manager (Front View)

2. What's in the Box

Upon unpacking, verify that all components are present:

- GLXD+FMZ3/LC Frequency Manager
- User Guide
- Power supply and necessary cables
- Antenna cables and connectors



Figure 2: Included Accessories and Components

3. Setup and Installation

The GLX-D+FM Frequency Manager is designed for easy integration into existing GLX-D+ Dual Band Wireless Systems. It is primarily used in rack-mount configurations for multi-system installations.

3.1 Rack Mounting

The unit is designed to be rack-mounted. Ensure proper ventilation around the unit when installing it in a rack. Use appropriate rack screws to secure the unit firmly.



Figure 3: Rack-mounted GLX-D+FM in a multi-system setup

3.2 Connecting to GLX-D+ Receivers

Connect your GLX-D+ receivers to the frequency manager using the provided antenna cables. The frequency manager distributes RF signals and power to the receivers, simplifying cable management and improving signal integrity.

1. Connect the antenna inputs from your GLX-D+ receivers to the corresponding outputs on the GLX-D+FM.
2. Connect the power output from the GLX-D+FM to the power input of your receivers.
3. Ensure all connections are secure.



Figure 4: Rear Panel Connections

3.3 Power Connection

Connect the included power supply to the GLX-D+FM unit and then to a suitable power outlet. The unit will power on automatically or via the front panel switch.

4. Operating the Frequency Manager

The GLX-D+FM simplifies multi-channel wireless system management through its automatic frequency management and dual-band operation.

4.1 Automatic Frequency Management

The system continuously monitors the 2.4 GHz and 5.8 GHz frequency bands. In case of interference, it automatically and seamlessly moves to a clear channel, ensuring uninterrupted audio performance. This intelligent scanning and selection process requires no manual intervention during operation.



Figure 5: Dual Band Wireless Technology in action

4.2 Multi-System Configuration

One GLXD+FMDB can manage up to 6 channels on its own. For larger installations, multiple GLXD+FMDB units can be daisy-chained, supporting up to 16 channels (or 11 maximum via 2 FM cascades) for extensive wireless setups.

5. Maintenance and Care

To ensure the longevity and optimal performance of your Shure GLX-D+FM Frequency Manager, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or chemical sprays.
- **Ventilation:** Ensure that the ventilation openings are clear and unobstructed to prevent overheating.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Periodically check all cable connections for wear and tear. Replace any damaged cables

immediately.

6. Troubleshooting

This section addresses common issues you might encounter with your GLX-D+FM Frequency Manager.

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power outlet issue.	Check power cable connection to unit and outlet. Try a different outlet.
Poor RF Performance / Dropouts	Excessive interference; Incorrect antenna placement; Too many active systems.	Ensure antennas are clear of obstructions. Verify proper connection to receivers. If using multiple FMs, check cascade setup.
Receivers not receiving power from FM	Incorrect power cable connection; Faulty cable.	Verify power connections from FM to receivers. Test with a different power cable if available.

7. Specifications

Feature	Detail
Model Number	GLXD+FMZ3/LC
Item Weight	8.98 pounds
Product Dimensions	23.07 x 16.3 x 3.94 inches
Country of Origin	China
Frequency Bands	2.4 GHz and 5.8 GHz
Max Channels (Single FM)	6 channels
Max Channels (Daisy-chained)	Up to 16 channels (11 max via 2 FM cascades)

8. Warranty and Support

The Shure GLX-D+FM Dual Band Frequency Manager comes with a**2-YEAR WARRANTY** included. For warranty claims, technical support, or further assistance, please contact Shure customer service or visit the official Shure website.
Official Shure Website: www.shure.com

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