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› Shure GLXD14R+/MX53-Z3 Dual Band Pro Digital Wireless Microphone System User Manual

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1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Shure GLXD14R+/MX53-Z3 Dual Band Pro Digital Wireless Microphone System. This system is designed for reliable, high-quality audio transmission in various professional applications, utilizing both 2.4 GHz and 5.8 GHz frequency bands for enhanced performance.

2. WHAT'S IN THE BOX

Carefully unpack your Shure GLXD14R+/MX53-Z3 system and verify that all components are present:

- GLXD4R+ Receiver
- GLXD1+ Bodypack Transmitter
- MX153 Headworn Earset Microphone
- Rechargeable Lithium-Ion Battery (SB904)
- Power Supply
- 2x 22-inch RSMA Cables
- 2x Antennas
- Hardware Kit (for rack mounting)
- 2x Bulkhead Adapters
- Zippered Bag
- User Guide (this document)



Image: Components of the Shure GLXD14R+/MX53-Z3 wireless system, including the GLXD4R+ receiver, GLXD1+ bodypack transmitter, and MX153 headworn earset microphone, along with accessories.

3. SETUP

3.1 Initial Power-Up and Pairing

1. Connect the power supply to the GLXD4R+ receiver and plug it into an electrical outlet.
2. Attach the antennas to the receiver.
3. Insert the fully charged SB904 battery into the GLXD1+ bodypack transmitter.
4. Power on both the receiver and the transmitter. The units will automatically scan for available frequencies and pair. The receiver display will show the selected group and channel.



Image: The GLXD+ receiver and a handheld microphone, illustrating the system's automatic frequency management feature which simplifies setup.

3.2 Connecting the MX153 Headset Microphone

Connect the MX153 headworn earset microphone to the GLXD1+ bodypack transmitter's input jack. Ensure the connection is secure.

3.3 Audio Output Connection

Connect the GLXD4R+ receiver's XLR output to your mixer or audio interface using an appropriate XLR cable.

3.4 Dual Band Wireless Technology

The system automatically operates across both 2.4 GHz and 5.8 GHz bands, selecting the clearest channel to ensure reliable signal transmission and minimize interference. This dual-band capability provides increased bandwidth and stability.



Image: A musician performing with a guitar, illustrating the freedom provided by the GLXD+ system's dual-band wireless technology.

3.5 Rack Mounting (Optional)

For multi-system installations, use the included hardware kit to mount the GLXD4R+ receiver in a standard audio rack. For larger setups requiring more channels, a Frequency Manager (GLXD+ FM) is recommended and sold separately to optimize RF performance and antenna distribution.



Image: A professional audio rack containing multiple Shure GLXD+ receivers, demonstrating a multi-system installation.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the power button on both the receiver and transmitter to turn them on or off.

4.2 Battery Management

The SB904 Lithium-Ion battery provides up to 12 hours of runtime. The battery can be charged directly on the receiver or via the USB-C connector on the bodypack transmitter. A quick charge feature allows for 1.5 hours of use from a 15-minute charge.



Image: A hand connecting a charging cable to the GLXD+ receiver, highlighting the smart rechargeability feature and 12-hour battery life.

4.3 Monitoring Signal and Battery Life

The GLXD4R+ receiver display provides real-time information on signal strength, selected channel, and transmitter battery life. Ensure a clear line of sight between the transmitter and receiver antennas for optimal performance.

4.4 Audio Quality

The GLX-D+ Dual Band system delivers exceptional digital wireless audio, intelligently avoiding interference to maintain clear and transparent sound quality.



ROCK-SOLID RF PERFORMANCE FOR MULTIPLE SYSTEM INSTALLATIONS



Image: A vocalist singing into a Shure GLXD+ microphone, representing the exceptional digital wireless audio quality of the system.

4.5 Official Product Overview Video

Your browser does not support the video tag.

Video: An official overview of the Shure GLXD+ Dual Band Digital Wireless system, detailing its features and benefits for users.

5. MAINTENANCE

5.1 Cleaning

Wipe the receiver, transmitter, and microphone with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners. For the MX153 headset, gently clean the earset and microphone element as needed.

5.2 Battery Care

To prolong battery life, store the SB904 battery at room temperature and avoid extreme heat or cold. Recharge the battery regularly, even if not in frequent use.

6. TROUBLESHOOTING

- **No Audio:** Ensure both the receiver and transmitter are powered on and paired. Check all cable connections (microphone to bodypack, receiver to mixer). Verify the mixer input is active and gain levels are appropriate.
- **Signal Dropouts/Interference:** The system automatically selects the clearest channel. If dropouts occur, try repositioning the receiver antennas for better line of sight. Avoid placing the system near other 2.4 GHz or 5.8 GHz wireless devices (Wi-Fi routers, other wireless systems).
- **Short Battery Life:** Ensure the SB904 battery is fully charged before use. Check the battery health indicator on the receiver.
- **Compatibility:** Note that GLX-D+ Dual Band transmitters and receivers are **not compatible** with previous GLX-D or GLX-D Advanced Wireless systems.

7. SPECIFICATIONS

Feature	Specification
Brand	Shure
Model Name	GLXD14R+/MX53-Z3
Connectivity Technology	XLR
Connector Type	USB
Special Feature	Bluetooth, USB, Wireless
Compatible Devices	Various Audio Equipment, Computers, and Mobile Devices
Color	Black with Silver Accents
Polar Pattern	Unidirectional
Microphone Form Factor	Headset
Power Source	Battery Powered (1 Lithium Ion battery included)
Signal-to-Noise Ratio	60 dB
Number of Channels	1
Frequency Response	5.8 GHz
Frequency Range	2050-2700 MHz
Audible Noise	60 Decibels
Enclosure Material	Stainless Steel
Item Weight	6.9 Pounds
Item Dimensions	17.84 x 13.9 x 3.31 inches
UPC	042406695862

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Shure GLXD14R+/MX53-Z3 system comes with a 2-Year Limited Warranty. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty service, please contact Shure customer support through their official website or the contact information provided with your product documentation.