

Shure SLXD24/SM58-G58

Shure SLXD24/SM58 Digital Wireless Microphone System User Manual

Model: SLXD24/SM58-G58 | Brand: Shure

INTRODUCTION

The Shure SLXD24/SM58 Wireless System is engineered to deliver transparent, 24-bit digital audio and robust RF performance. This system is suitable for a wide range of applications, from extended conferences to live performances. It supports operation of up to 32 compatible systems per 44 MHz band, offering straightforward setup and optional rechargeability accessories for enhanced wireless functionality.

This manual provides essential information for the proper setup, operation, and maintenance of your SLXD24/SM58 system.

WHAT'S IN THE BOX

Upon unpacking your Shure SLXD24/SM58 Digital Wireless Microphone System, verify that all components listed below are present:

- (1) SLXD2 handheld transmitter with the legendary SM58 cardioid dynamic microphone capsule.
- (1) SLXD4 single-channel receiver.
- Antenna and rackmount accessories.
- (1) Zippered bag.
- (2) AA batteries.



Image: The retail packaging for the Shure SLXD24/SM58 Wireless System, showing the SLXD4 receiver and SM58 handheld microphone on the box art.

SETUP GUIDE

1. Wireless Frequency Band Selection

Before initial setup, ensure that the wireless frequency band of your system is compatible with your operational area. Consult the Shure website for detailed information and to utilize the Shure Wireless Frequency Finder tool.

2. Battery Installation

The SLXD2 handheld transmitter operates on 2 AA batteries, which are included. For installation, unscrew the bottom part of the microphone handle to reveal the battery compartment. Insert the batteries according to the polarity indicators. The system offers up to 8 hours of battery life with AA batteries. For extended use and monitoring, consider upgrading to the optional Shure SB903 Lithium-ion rechargeable battery.

3. System Connection

Connect the SLXD4 single-channel receiver to your audio mixer or sound system using an XLR cable. Ensure the antennas are securely attached to the receiver for optimal signal reception.



Image: The Shure SLXD4 receiver and SLXD2 handheld transmitter with SM58 capsule, ready for connection and operation.

4. RF Scan and IR Sync

To quickly find an open frequency and link the transmitter to the SLX-D receiver, utilize the RF Scan and IR Sync features. This process ensures a stable digital RF signal transmission. Refer to the receiver's display and controls for initiating the scan and synchronization procedure.

OPERATING INSTRUCTIONS

Digital Wireless Technology

The SLXD24/SM58 system incorporates digital predictive switching diversity for reliable performance. It offers a 44 MHz tuning bandwidth (region dependent) and supports up to 32 available channels per frequency band (region dependent). You can operate up to 10 compatible systems per 6MHz TV band or 12 systems per 8 MHz band.

Sound Quality and Performance

Experience crystal clear 24-bit / 48 kHz digital audio with an extended 20 Hz to 20 kHz frequency response (microphone dependent) for natural and clear sound reproduction. The system boasts a 120 dB dynamic range, making it excellent for vocals, acoustic instruments, and wind instruments.



Image: A performer's hand gripping the Shure SM58 microphone, highlighting its ergonomic design and suitability for vocal applications.



Image: Another view of the Shure SLXD4 receiver and SLXD2 handheld transmitter with SM58 capsule, showcasing the system's compact design.

Operating Range

The system provides an impressive operating range of up to 330 feet (100 meters), allowing for freedom of movement during performances or presentations.

MAINTENANCE

Battery Management

The SLXD2 handheld transmitter provides up to 8 hours of operation using 2 AA batteries. For optimal performance and to monitor battery charge status in hours and minutes, as well as battery life and health statistics, it is recommended to upgrade to the optional Shure SB903 Lithium-ion rechargeable battery.

General Care

The system components feature durable and ergonomic plastic transmitter construction. To ensure longevity, keep the devices clean and free from dust and moisture. Avoid exposing the system to extreme temperatures or direct sunlight for prolonged periods. Store the components in the provided zippered bag or a suitable protective case when not in use.

TROUBLESHOOTING

If you encounter issues with your Shure SLXD24/SM58 system, consider the following common troubleshooting steps:

- **No Audio Output:** Verify that the receiver is powered on and properly connected to the audio system. Check the transmitter's battery level and ensure it is powered on and synchronized with the receiver. Confirm that the audio output level on the receiver and your mixer is appropriately set.
- **Interference or Dropouts:** Perform an RF Scan and IR Sync to find a clear frequency. Ensure there are no obstructions between the transmitter and receiver. Check for other wireless devices operating on similar frequencies in the vicinity.
- **Short Battery Life:** Ensure you are using fresh batteries or fully charged rechargeable batteries. If using rechargeable batteries, check their health status.
- **Controls Locked:** If the device controls are unresponsive, they may be locked. Refer to the device's display for any lock indicators and consult the full user guide for unlocking procedures.

For more detailed troubleshooting, refer to the comprehensive user guide available in the Support section.

SPECIFICATIONS

Feature	Detail
Model Name	SLXD24/SM58
Brand	Shure
Microphone Form Factor	Microphone System
Connectivity Technology	XLR
Signal Format	Digital
Frequency Response	20 Hz to 20 kHz (microphone dependent)
Dynamic Range	120 dB
Operating Range	330 feet (100 meters)
Power Source	Battery Powered (2 AA batteries included)
Battery Type	Lithium Ion (for optional SB903)
Item Weight	1 Pounds
Product Dimensions (L x W x H)	17.72 x 13.78 x 4.33 inches
Material	Plastic
Color	Black, Silver

WARRANTY INFORMATION

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

Download Warranty (PDF)

SUPPORT AND ADDITIONAL RESOURCES

For comprehensive information, detailed diagrams, and advanced settings, please consult the full User Guide for the Shure SLXD24/SM58 Digital Wireless Microphone System:

Download User Guide (PDF)

You can also visit the official Shure store for more products and support:

Visit Shure Store

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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