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Shure SLXD2/SM58

Shure SLXD2/SM58 Handheld Transmitter User Manual

Model: SLXD2/SM58 (G58 Band)

1. INTRODUCTION AND OVERVIEW

The Shure SLXD2 handheld transmitter, equipped with the renowned SM58 cardioid dynamic microphone capsule, is designed for use with SLX-D Digital Wireless receivers. It delivers transparent 24-bit digital audio and reliable RF performance across various applications, from presentations to live performances. Its robust metal construction and OLED display ensure durability and clear readability. The transmitter operates for up to 8 hours on two AA batteries, with an option for Lithium-Ion rechargeable accessories.



Image 1.1: Shure SLXD2/SM58 Handheld Transmitter. This image displays the black handheld microphone with a silver grille, featuring an OLED display showing frequency information.

2. WHAT'S IN THE BOX

Upon unpacking your Shure SLXD2/SM58, verify that all components are present:

- One (1) SLXD2 handheld transmitter with SM58 cardioid dynamic microphone capsule
- One (1) zippered bag
- Two (2) AA batteries

3. SETUP INSTRUCTIONS

Follow these steps to set up your SLXD2/SM58 handheld transmitter:

1. **Battery Installation:** Unscrew the bottom cap of the transmitter to access the battery compartment. Insert the two supplied AA batteries, ensuring correct polarity. The transmitter can also use an optional Shure SB903 Lithium-ion rechargeable

battery.

2. **Frequency Band Selection:** Before operation, confirm that the wireless frequency band of your SLXD2/SM58 transmitter matches the frequency band of your SLX-D receiver. Refer to the Shure website for a Wireless Frequency Finder to ensure compatibility in your region.
3. **Power On:** Press and hold the power button on the transmitter until the OLED display illuminates.
4. **RF Scan and IR Sync:** To establish a connection with your SLX-D receiver, perform an RF scan on the receiver to find an open frequency. Then, use the IR Sync function to link the transmitter to the receiver. Align the IR windows on both devices for successful pairing. This process quickly finds an optimal frequency and synchronizes the transmitter.

4. OPERATING INSTRUCTIONS

Once set up, the SLXD2/SM58 is ready for operation:

- **OLED Display:** The integrated OLED display provides clear readability of essential information such as frequency, battery status, and channel.
- **Audio Performance:** The system delivers crystal-clear 24-bit / 48 kHz digital audio with an extended 20 Hz to 20 kHz frequency response (microphone dependent), ensuring natural and clear sound reproduction. A 120 dB dynamic range is suitable for vocals, acoustic instruments, and wind instruments.
- **Operating Range:** Maintain an operating range of up to 330 feet (100 meters) between the transmitter and receiver for optimal performance.
- **Battery Life:** The transmitter provides up to 8 hours of continuous operation with two AA batteries. Monitor battery charge status via the OLED display.
- **Frequency Management:** The system supports digital predictive switching diversity and offers a 44 MHz tuning bandwidth (region dependent), with up to 32 available channels per frequency band. Up to 10 compatible systems can operate within a 6MHz TV band, and 12 systems within an 8 MHz band.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SLXD2/SM58 transmitter:

- **Battery Care:** Replace AA batteries when the low battery indicator appears on the OLED display. If using the optional Shure SB903 Lithium-ion rechargeable battery, refer to its specific charging instructions. The SB903 allows monitoring of battery charge status in hours and minutes, along with battery life and health statistics.
- **Cleaning:** Wipe the exterior of the transmitter with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. Do not expose the microphone capsule to excessive moisture.
- **Storage:** When not in use, store the transmitter in the provided zippered bag to protect it from dust and physical damage. Remove AA batteries if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

If you encounter issues with your SLXD2/SM58 transmitter, consider the following:

Problem	Possible Cause	Solution
No audio output	Transmitter not powered on; incorrect frequency; receiver not linked; low battery.	Ensure transmitter is powered on. Verify frequency match with receiver. Perform IR Sync. Replace or recharge batteries.

Problem	Possible Cause	Solution
Intermittent audio or dropouts	Interference; transmitter too far from receiver; obstacles blocking signal.	Perform RF Scan and IR Sync to find a clear frequency. Reduce distance between transmitter and receiver. Ensure clear line of sight.
Low battery indicator	Batteries are depleted.	Replace AA batteries or recharge the optional SB903 Lithium-ion battery.
Display not working	Transmitter not powered on; battery issue.	Ensure power button is pressed. Check battery installation and charge.

7. SPECIFICATIONS

Detailed technical specifications for the Shure SLXD2/SM58 Handheld Transmitter:

Model Name: SLXD2/SM58

Microphone Form Factor: Handheld

Polar Pattern: Unidirectional

Audio Sensitivity: 120 Decibels

Signal-to-Noise Ratio: 120 dB

Frequency Response: 20 Hz to 20 kHz (microphone dependent)

Operating Range: 330 feet (100 meters)

Power Source: Battery Powered

Battery Type: 2 AA batteries (included), optional Shure SB903 Lithium-ion rechargeable battery

Battery Life: Up to 8 hours (with AA batteries)

Material: Metal

Item Weight: 5.2 Ounces

Product Dimensions (L x W x H): 11.02 x 5.28 x 3.15 inches

Connectivity Technology: Infrared (for sync)

Connector Type: Wireless

Number of Channels: Up to 32 available per frequency band (region dependent)

Tuning Bandwidth: 44 MHz (region dependent)

UPC: 042406559294

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please visit the official Shure website or contact Shure customer service. Keep your purchase receipt for warranty claims.

	<p><u>Shure SM58 Vocal Microphone User Guide and Specifications</u></p> <p>Comprehensive user guide for the Shure SM58 cardioid dynamic vocal microphone. Learn about its features, placement, specifications, accessories, and certifications for professional audio applications.</p>
	<p><u>Shure SM58 Vocal Microphone: Features, Specifications, and Usage Guide</u></p> <p>Detailed information on the Shure SM58 cardioid dynamic vocal microphone, including its general description, features, placement tips, technical specifications, accessories, and certifications.</p>
	<p><u>Shure SM58 Vocal Microphone User Guide</u></p> <p>Comprehensive user guide for the Shure SM58 cardioid dynamic vocal microphone, covering general description, features, placement, applications, specifications, accessories, and certifications.</p>
	<p><u>Shure NXN8 Handheld Vocal Microphone: User Guide, Specs, and Features</u></p> <p>Explore the Shure NXN8 Handheld Vocal Microphone. This user guide covers Nexadyne 8/C and 8/S models, Revonic technology, polar patterns, specifications, and accessories. Ideal for professional vocal performances.</p>
	<p><u>Shure SM7B Cardioid Dynamic Vocal Microphone User Guide</u></p> <p>User guide for the Shure SM7B Cardioid Dynamic Vocal Microphone, detailing its features, applications, mounting instructions, specifications, accessories, and replacement parts.</p>
	<p><u>Shure AD2 Transmitter User Guide</u></p> <p>Comprehensive user guide for the Shure AD2 Digital Wireless Handheld Transmitter, covering features, specifications, safety instructions, operation, and maintenance.</p>