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Shure SLXD24/SM58-J52

Shure SLXD24/SM58 Digital Wireless Microphone System User Manual

Brand: Shure

Model: SLXD24/SM58-J52

The SLXD24/SM58 Wireless System delivers transparent, 24-bit digital audio and rock-solid RF performance for a wide range of applications, from day-long conferences to nighttime performances. Operate up to 32 compatible systems per 44 MHz band, with easy setup and optional rechargeability accessories for wireless excellence, wherever required.

Introduction

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Shure SLXD24/SM58 Digital Wireless Microphone System. Please read this manual thoroughly before using the system to ensure optimal performance and longevity.

Setup

Unboxing and Initial Inspection



The Shure SLXD24/SM58 Digital Wireless Microphone System packaging, showing the system overview.

Carefully unpack all components and verify that all items listed in the 'What's in the Box' section are present. Inspect the system for any signs of damage during transit.

Hardware Connections

▶ **Watch video online**
Shure SLX-D How To: Set Up and Use

Video tutorial demonstrating the physical setup of the Shure SLXD24/SM58 system, including antenna and power connections.



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

Connecting the Receiver

1. **Antennas:** Securely connect the two included antennas to the ANTENNA A and ANTENNA B ports on the rear of the SLXD4 receiver.
2. **Power Supply:** Connect the power supply to the DC input on the receiver and plug it into an appropriate power outlet.
3. **Network (Optional):** If using multiple receivers, connect them with an Ethernet cable to enable network control and coordinated frequency management. For three or more receivers, use a network switch.
4. **Audio Output:** Connect the receiver's XLR output to your sound system's mixer or amplifier input.

Installing Transmitter Batteries

The SLXD2 handheld transmitter requires two AA batteries (included). For optimal performance and battery life monitoring, consider upgrading to the optional Shure SB903 Lithium-ion rechargeable battery.

1. Unscrew the bottom cap of the SLXD2 handheld transmitter.
2. Insert the two AA batteries, ensuring correct polarity (+/-).
3. Replace the bottom cap and tighten securely.

Operation

Guided Frequency Setup

▶ **Watch video online**

Shure SLX-D How To: Set Up and Use

Detailed guide on using the receiver's guided frequency setup to find optimal channels and assign them to the system.

1. Turn on the SLXD4 receiver. Ensure all transmitters are turned OFF.
2. Use the control knob on the receiver to navigate to **Frequency Setup > Guided Frequency Setup > Initialize My System**.
3. Follow the on-screen prompts. The receiver will scan for the best available group of channels.
4. Once a group is assigned, the frequency is set for the receiver.

Syncing Transmitter and Receiver

▶ **Watch video online**
Shure SLX-D How To: Set Up and Use

Instructions for syncing the handheld transmitter with the receiver using the IR sync function.

1. Turn on the SLXD2 transmitter.
2. On the SLXD4 receiver, press the **sync** button. The IR port will illuminate.
3. Align the IR ports on the transmitter and receiver (located on the front of the receiver and near the display on the transmitter). Hold them together until the sync is confirmed on the receiver display.
4. The transmitter is now synced to the receiver's frequency.

Locking and Unlocking Controls

▶ **Watch video online**
Shure SLX-D How To: Lock and Unlock

Learn how to lock and unlock the controls on both the SLXD4 receiver and SLXD2 handheld transmitter to prevent accidental changes.

Locking/Unlocking the Receiver

1. Use the control knob to navigate to **Advanced Settings > Device Lock**
2. Select **Lock Menu** (prevents menu changes) or **Lock Menu & Power** (prevents menu changes and power off).
3. Push the control knob to save.
4. To unlock, return to the **Device Lock** menu and select **Unlock**.

Locking/Unlocking the Handheld/Bodypack

1. Press the **Menu** button to access the menu.
2. Navigate to **Auto Lock**.
3. Press **Enter**, then **Menu** to change the setting to **On**. This activates auto-lock.
4. To temporarily unlock, press **Enter**, then **Menu**. Controls will re-lock when the home screen displays.
5. To disable auto-lock, return to the **Auto Lock** menu screen, press **Enter**, then **Menu** to change the setting to **Off**.

Performing a Soundcheck

▶ **Watch video online**
Shure SLX-D How To: Set Up and Use

Guidance on performing a soundcheck and adjusting gain levels for optimal audio performance.

1. With the transmitter and receiver synced, speak or sing into the microphone at typical performance levels.
2. On the receiver, use the control knob to navigate to **Gain**.
3. Adjust the gain up or down to keep the audio meter in the 'Optimal' range. Avoid clipping (red indicators).
4. Your system is now ready to use.

Maintenance

Battery Care

- Always use fresh, high-quality AA batteries.
- If using the optional Shure SB903 rechargeable battery, follow the charging instructions provided with the battery and charger.
- Remove batteries from the transmitter if the system will not be used for an extended period to prevent leakage.

Cleaning

- Use a soft, dry cloth to clean the exterior surfaces of the receiver and transmitter.
- For the microphone grille, gently remove it and clean with a mild soap and water solution. Ensure it is completely dry before reattaching.
- Do not use abrasive cleaners or solvents.

Storage

- Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep the original packaging for safe storage and transport.

Troubleshooting

Problem	Possible Cause	Solution
No Audio	Transmitter or receiver off; incorrect frequency; gain too low; cables disconnected.	Ensure both units are on; perform Guided Frequency Setup and Sync; check gain levels; verify all cables are securely connected.
Interference/Dropouts	Nearby RF sources; antennas obstructed; out of range.	Perform a new Guided Frequency Setup in a clear area; ensure line-of-sight to antennas; reduce distance between transmitter and receiver.
Low Battery Indicator	Batteries are low.	Replace AA batteries or recharge the SB903 battery.
Controls Locked	Device lock activated.	Follow the unlocking procedure in the 'Locking and Unlocking Controls' section.

Specifications

- **Model:** SLXD24/SM58-J52

- **Frequency Band:** J52 Band (558-602/614-616 MHz)
- **Digital Audio:** 24-bit / 48 kHz
- **Dynamic Range:** 120 dB
- **Operating Range:** 330 feet (100 meters) line of sight
- **Battery Life:** Up to 8 hours (with 2 AA batteries)
- **Transmitter:** SLXD2 Handheld Transmitter with SM58 Cardioid Dynamic Capsule
- **Receiver:** SLXD4 Single Channel Rack Mount Receiver
- **Dimensions (Receiver):** 17.72 x 13.78 x 4.33 inches
- **Weight (System):** 7.41 pounds
- **Material:** Plastic (transmitter), Metal (receiver chassis)

Warranty and Support

For detailed warranty information, please refer to the official Shure Warranty Document:
Shure Warranty (PDF)
A comprehensive User Guide is also available for download:
Shure SLXD User Guide (PDF)
For technical support or service inquiries, please visit the official Shure website or contact their customer service department.

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