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Shure SLXD24/SM58-H55

Shure SLXD24/SM58 Digital Wireless Microphone System User Manual

Model: SLXD24/SM58-H55

Brand: Shure

Introduction

The Shure SLXD24/SM58 Wireless System provides transparent, 24-bit digital audio and reliable RF performance for various applications, from conferences to live performances. It supports up to 32 compatible systems per 44 MHz band, offering easy setup and optional rechargeable accessories. This system includes an SLXD4 single-channel receiver, an SLXD2 handheld transmitter with the legendary SM58 cardioid dynamic capsule, antenna and rackmount accessories, and two AA batteries.

What's in the Box

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



The product packaging for the Shure SLXD24/SM58 Digital Wireless System, showing the included components.

Key Features

- WIRELESS FREQUENCY BAND SELECTION: Before purchasing, please ensure that the wireless frequency band you select works in your area (refer to Shure website for details > search Shure Wireless Frequency Finder).
- DIGITAL WIRELESS TECHNOLOGY: Digital predictive switching diversity. 44 MHz tuning bandwidth (region dependent). 32 available channels per frequency band (region dependent). Up to 10 compatible systems per 6MHz TV band; 12 systems per 8 MHz band. RF Scan and IR Sync to quickly find an open frequency and link the transmitter to a SLX-D receiver. Easy pairing of transmitters and receivers over IR scan and sync.
- BATTERY LIFE: Up to 8 hours from 2 AA batteries. Upgrade to the optional Shure SB903 Lithium-ion rechargeable battery to monitor battery charge status in hours and minutes, as well as battery life and health statistics.
- SOUND QUALITY: Crystal clear 24-bit / 48 kHz digital audio. Extended 20 Hz to 20 kHz frequency response (microphone dependent) for natural and clear sound. Stable digital RF signal transmission. 120 dB dynamic range - excellent for vocals & acoustic and wind instruments.
- OPERATING RANGE: 330-feet (100-meters).
- APPLICATIONS: A variety of compatible microphone/instrument cable choices guarantees the right solution for a wide range of applications, from day-long presentations to nighttime performances.
- LEGENDARY SHURE ENGINEERING: Durable and ergonomic plastic transmitter construction.

Setup Guide

1. Hardware Connections

Ensure all components are securely connected before powering on the system.



The Shure SLXD24/SM58 Digital Wireless Microphone System, showing the SLXD4 receiver and SLXD2 handheld transmitter with SM58 capsule.

▶ **Watch video online**

Shure SLX-D How To: Set Up and Use

This video provides a step-by-step guide on setting up the Shure SLX-D Digital Wireless System, including hardware connections and initial configuration.

Receiver Setup

1. Connect the antennas to the receiver's antenna ports.
2. Connect the power supply to the receiver and plug it into an electrical outlet.
3. Connect the receiver's audio output (XLR or 1/4" jack) to your sound system's input.
4. If using multiple receivers, connect them via Ethernet cables for network control and frequency coordination.

Transmitter Battery Installation

The SLXD2 handheld transmitter uses two AA batteries.



A close-up view of the Shure SLXD2 handheld microphone and SLXD4 receiver, highlighting the display and controls.

1. Unscrew the bottom cap of the handheld transmitter.
2. Insert two AA batteries, observing the correct polarity.
3. Replace the bottom cap.
4. For optional extended use, consider the Shure SB903 Lithium-ion rechargeable battery.

2. Initial Power On and Guided Frequency Setup

The SLXD system features a guided setup process to help you find clear frequencies.

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

This video demonstrates the guided frequency setup process on the Shure SLX-D receiver, which helps in automatically finding and assigning clear frequencies.

1. Power on the SLXD4 receiver.
2. Navigate to the "Frequency Setup" menu using the control knob.
3. Select "Guided Frequency Setup" and follow the on-screen prompts.
4. The receiver will scan for available frequencies. Ensure all transmitters are turned OFF during this scan to avoid interference.
5. Once the scan is complete, the receiver will assign a clear group and channel.

3. Syncing Transmitter and Receiver

After assigning frequencies, sync the transmitter with the receiver.

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

This video illustrates how to sync the SLXD2 transmitter with the SLXD4 receiver using the IR sync function, ensuring they operate on the same frequency.

1. Turn on the SLXD2 handheld transmitter.
2. On the SLXD4 receiver, press the "Sync" button.
3. Align the IR (Infrared) ports on the transmitter and receiver. The IR ports are typically located on the front of the receiver and near the display on the transmitter.
4. Hold them aligned until the sync is complete, indicated by a "Success" message on the receiver.

4. Performing a Soundcheck

Before use, perform a soundcheck to ensure optimal audio levels.

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

This video demonstrates how to perform a soundcheck with the Shure SLX-D system, including adjusting the gain on the receiver for optimal audio levels.

1. Speak or sing into the microphone at your typical performance level.
2. Observe the audio meter on the SLXD4 receiver.
3. Adjust the "Gain" setting on the receiver (via the menu) until the audio meter consistently shows levels in the "Optimal" range, avoiding clipping (red indicators).

Operating the System

Adding Additional Receivers

▶ **Watch video online**
Shure SLX-D How To: Add a Receiver

This video explains the process of adding an additional receiver to an existing Shure SLX-D wireless system, including network connection and frequency coordination.

To expand your system, connect new receivers via Ethernet and use the "Add Receiver to My System" option in the Guided Frequency Setup. Ensure all receivers are set to the same group number.

Locking and Unlocking Controls

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

This video demonstrates how to lock and unlock the controls on both the Shure SLXD2 handheld transmitter and SLXD4 receiver to prevent accidental changes during use.

To prevent accidental changes during a performance, you can lock the controls on both the transmitter and receiver. Refer to the device's menu for "Lock" or "Auto-Lock" options.

Maintenance

Cleaning

Regularly wipe down the microphone and receiver with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

Battery Care

Remove AA batteries from the transmitter if the system will not be used for an extended period to prevent leakage. If using

rechargeable batteries, follow the manufacturer's guidelines for charging and storage.

Troubleshooting

Problem	Solution
No Audio	Check power to receiver and transmitter. Ensure transmitter and receiver are synced. Verify audio cables are correctly connected to the sound system. Check gain settings.
Dropouts/Interference	Perform a new frequency scan. Ensure line-of-sight between transmitter and receiver. Check for strong local RF sources. Reduce distance between transmitter and receiver.
Low Battery Indicator	Replace AA batteries or recharge the Shure SB903 battery.

Specifications

Feature	Detail
Brand	Shure
Model Name	SLXD24/SM58
Item Model Number	SLXD24/SM58-H55
Item Weight	1 pounds
Product Dimensions	17.72 x 13.78 x 4.33 inches
Microphone Form Factor	Microphone System
Power Source	Battery Powered
Number of Batteries	2 AA batteries required. (included)
Material	Plastic
Signal-to-Noise Ratio	120 dB
Number of Channels	1
Frequency Response	20 KHz
Polar Pattern	Unidirectional
Operating Range	330-feet (100-meters)
UPC	042406558778

Warranty and Support

For detailed warranty information and additional support resources, please refer to the official Shure website or the provided User Guide PDF.

Download User Guide (PDF)

Download Warranty Information (PDF)

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