

Sennheiser XSW 1-ME2-A

Sennheiser XSW 1-ME2-A Wireless Presentation Microphone Instruction Manual

Model: XSW 1-ME2-A (A Range 548-572 MHz)

1. INTRODUCTION

This manual provides comprehensive instructions for the Sennheiser XSW 1-ME2-A Wireless Presentation Microphone system. It covers the components, setup procedures, operational guidelines, maintenance tips, and troubleshooting steps to ensure optimal performance. This system is designed for reliable wireless audio transmission, featuring an SK XSW bodypack transmitter, an ME2-2 omnidirectional lavalier microphone, and an EM XSW 1 diversity receiver, operating within the 548-572 MHz frequency range.

2. SAFETY INFORMATION

Please read and adhere to the following safety guidelines to prevent damage to the device and ensure user safety:

- **Power Supply:** Use only the specified power supply for the receiver. Ensure the voltage matches the device requirements.
- **Batteries:** Use only AA batteries as specified. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Moisture:** Keep the device away from water and high humidity. Do not operate with wet hands.
- **Temperature:** Avoid exposing the device to extreme temperatures (hot or cold) or direct sunlight.
- **Interference:** This device operates on radio frequencies. Be aware of potential interference with other electronic devices.
- **Cleaning:** Clean the device with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Servicing:** Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- EM XSW 1 Diversity Receiver
- SK XSW Bodypack Transmitter
- ME2-2 Omnidirectional Lavalier Microphone

- Power Supply for Receiver
- 2 AA Batteries (for Transmitter)
- Antennas for Receiver
- Quick Guide / Safety Guide



Image: Overview of the Sennheiser XSW 1-ME2-A Wireless Presentation Microphone system, showing the receiver, bodypack transmitter, and lavalier microphone.

4. PRODUCT OVERVIEW

4.1 EM XSW 1 Diversity Receiver

The EM XSW 1 receiver processes the audio signal from the transmitter. It features an antenna-switching diversity reception for stable signal quality.



Image: Front panel of the EM XSW 1 Receiver, displaying controls and indicators.

- **Front Panel Controls:**

- **CH+ / CH-:** Channel selection buttons.
- **VOL+ / VOL-:** Volume adjustment buttons.
- **SET / SCAN:** Button for confirming settings or initiating a frequency scan.
- **SYNC:** Button to synchronize the receiver with the transmitter.
- **Power Button:** Turns the receiver on or off.

- **Front Panel Indicators:**

- **Display:** Shows current channel, RF signal strength, and battery status.
- **RF LED:** Indicates radio frequency signal reception.
- **Sync LED:** Indicates synchronization status.



Image: Rear panel of the EM XSW 1 Receiver, showing audio outputs and power input.

- **Rear Panel Connectors:**

- **Balanced (XLR):** XLR output for professional audio connections.
- **Unbalanced (1/4" Jack):** 6.3mm (1/4") jack output for standard audio connections.
- **Line/Mic Switch:** Selects output level (Line or Microphone).
- **SQ (Squelch) Control:** Adjusts the squelch threshold to suppress noise when no signal is present.
- **DC 12V Power Input:** For connecting the power supply.

4.2 SK XSW Bodypack Transmitter

The SK XSW bodypack transmitter sends the audio signal from the lavalier microphone wirelessly to the receiver.



Image: The SK XSW Bodypack Transmitter with its display and antenna.

- **Power Switch:** Turns the transmitter on or off.
- **Display:** Shows channel, battery status, and other operational information.
- **Microphone Input:** 3.5mm jack for connecting the ME2-2 lavalier microphone.
- **Battery Compartment:** Houses two AA batteries.

4.3 ME2-2 Omnidirectional Lavalier Microphone

The ME2-2 is a compact, omnidirectional lavalier microphone designed for clear voice capture.



Image: The ME2-2 Omnidirectional Lavalier Microphone with its cable and 3.5mm connector.

- **Polar Pattern:** Omnidirectional, capturing sound equally from all directions.

- **Connector:** 3.5mm jack for connection to the SK XSW bodypack transmitter.
- **Clip:** Integrated clip for attaching to clothing.

5. SETUP

Follow these steps to set up your Sennheiser XSW 1-ME2-A wireless system:

1. Connect the Receiver:

- Connect the supplied power supply to the DC 12V input on the rear of the EM XSW 1 receiver and plug it into a power outlet.
- Attach the antennas to the antenna connectors on the rear of the receiver. Position them vertically for optimal reception.
- Connect the audio output (XLR or 1/4" jack) from the receiver to your mixing console, amplifier, or recording device. Ensure the Line/Mic switch is set appropriately for your input device.

2. Install Batteries in Transmitter:

- Open the battery compartment of the SK XSW bodypack transmitter.
- Insert two AA batteries, observing the correct polarity (+/-).
- Close the battery compartment securely.

3. Connect Lavalier Microphone:

- Plug the 3.5mm jack of the ME2-2 lavalier microphone into the microphone input on the SK XSW bodypack transmitter.
- Secure the microphone to your clothing, approximately 6-8 inches from your mouth, ensuring it is not covered by fabric.

4. Power On and Synchronize:

- Press the power button on the EM XSW 1 receiver to turn it on.
- Press the power button on the SK XSW bodypack transmitter to turn it on.
- On the receiver, press the **SET/SCAN** button to initiate an automatic frequency scan. The receiver will find a clear frequency.
- Once a frequency is found, press the **SYNC** button on the receiver. Hold the transmitter close to the receiver's SYNC area (usually indicated) until the display confirms synchronization. The RF LED on the receiver should illuminate, indicating a successful connection.

5. Adjust Audio Levels:

- Speak into the microphone at your normal speaking volume.
- Adjust the VOL+ / VOL- buttons on the receiver to set the output level. Monitor the audio input on your mixing console or amplifier to avoid clipping or distortion.
- Adjust the SQ (Squelch) control on the receiver's rear panel if you experience background noise when no audio signal is present. Increase the squelch level until the noise disappears, but do not set it too high as it may cut off desired audio.

6. OPERATING

Once the system is set up, follow these guidelines for operation:

- **Microphone Placement:** For optimal sound quality, ensure the lavalier microphone is positioned correctly and

not obstructed.

- **Battery Monitoring:** Regularly check the battery status indicator on both the transmitter and receiver displays. Replace batteries when they are low to avoid unexpected signal loss.
- **Range:** Maintain a clear line of sight between the transmitter and receiver for best performance. Avoid placing the receiver near large metal objects or other RF-emitting devices.
- **Mute Function:** If the transmitter has a mute function (check specific model details), use it to temporarily silence the microphone without turning off the unit.
- **Multiple Systems:** If using multiple XSW 1 systems, ensure each system is synchronized to a different, clear frequency to prevent interference. The system supports up to 10 simultaneous channels.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your wireless system:

- **Cleaning:**
 - Wipe the surfaces of the receiver and transmitter with a soft, dry, lint-free cloth.
 - For the lavalier microphone, gently clean the windscreen if necessary. Avoid moisture.
 - Do not use abrasive cleaners, solvents, or strong detergents.
- **Battery Replacement:**
 - Replace AA batteries in the transmitter as soon as the low battery indicator appears.
 - Always use fresh, high-quality alkaline or rechargeable AA batteries.
- **Storage:**
 - When not in use for extended periods, remove batteries from the transmitter to prevent leakage.
 - Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
 - Keep components in their original packaging or a protective case to prevent physical damage.

8. TROUBLESHOOTING

If you encounter issues with your Sennheiser XSW 1-ME2-A system, refer to the following table:

Problem	Possible Cause	Solution
No sound or weak sound	Transmitter or receiver not powered on. Low or dead batteries in transmitter. Microphone not connected or faulty. Receiver not connected to audio system. Incorrect volume settings. No synchronization between transmitter and receiver. Squelch set too high.	Ensure both units are powered on. Replace batteries in the transmitter. Check microphone connection; try another microphone if available. Verify audio cable connections from receiver to audio system. Adjust VOL+ on receiver and input gain on your audio system. Perform synchronization again (Section 5.4). Reduce the SQ (Squelch) level on the receiver's rear panel.

Problem	Possible Cause	Solution
Interference or static noise	Occupied frequency channel. Too far from receiver or obstructions. External RF interference. Squelch set too low.	Perform a frequency scan on the receiver and re-synchronize (Section 5.4). Move closer to the receiver; ensure clear line of sight. Identify and eliminate sources of interference (e.g., Wi-Fi routers, other wireless devices). Increase the SQ (Squelch) level on the receiver's rear panel.
Transmitter display shows "Lo Batt"	Low battery power.	Replace the AA batteries in the transmitter immediately.
Receiver display shows "No Sync"	Transmitter and receiver are not synchronized.	Ensure both units are on, then press SYNC on the receiver and hold the transmitter near the SYNC area.

9. SPECIFICATIONS

Key technical specifications for the Sennheiser XSW 1-ME2-A Wireless Presentation Microphone system:

Feature	Specification
Model Name	XSW 1-ME2-A
Frequency Range	A Range (548-572 MHz)
Microphone Form Factor	Lavalier
Polar Pattern	Omnidirectional (ME2-2)
Connectivity Technology	Wireless
Number of Channels	Up to 10 simultaneous channels
Signal-to-Noise Ratio	103 dB
Audio Sensitivity	130 Decibels
Power Source (Transmitter)	Battery Powered (2 AA batteries)
Power Source (Receiver)	DC 12V (300mA)
Material	Metal, Plastic
Product Dimensions (L x W x H)	13.7 x 13.6 x 3.4 inches
Item Weight	2.6 pounds
Special Feature	Mute Function, Voice Activated Recording (Note: Mute function depends on specific transmitter model features)

10. WARRANTY AND SUPPORT

Sennheiser products are manufactured to high-quality standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Sennheiser website.

For technical support, troubleshooting assistance, or service inquiries, please contact Sennheiser customer support through their official website or authorized service centers. Keep your proof of purchase and product model number (XSW 1-ME2-A) ready when contacting support.

Official Sennheiser Website: www.sennheiser.com

11. VIDEO RESOURCES

No official product videos from the seller were found in the provided data for embedding. Please refer to the manufacturer's official website for any available video tutorials or demonstrations.