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Sennheiser EW-D SKM-S BASE SET

Sennheiser EW-D SKM-S BASE SET (Q1-6) Wireless Microphone System User Manual

Model: EW-D SKM-S BASE SET | Frequency Band: Q1-6

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Sennheiser EW-D SKM-S BASE SET digital wireless microphone system. This versatile and feature-rich system is designed for vocalists and speakers, offering seamless pairing and management via the EW-D Smart Assist App. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Please observe the following safety instructions to prevent damage to the device, injury, or property damage:

- Do not open the device housing. Servicing should only be performed by authorized personnel.
- Keep the device away from water, moisture, and extreme temperatures.
- Use only the power supply and accessories specified by Sennheiser.
- Ensure proper ventilation for the receiver to prevent overheating.
- Dispose of batteries according to local regulations.
- Avoid prolonged exposure to high volume levels when using monitoring equipment connected to the

system.

3. PACKAGE CONTENTS

The Sennheiser EW-D SKM-S BASE SET typically includes:

- EW-D EM Rackmount Receiver
- EW-D SKM-S Handheld Transmitter (without microphone capsule)
- Rackmount Kit
- Rod Antennas (2)
- Power Supply Unit
- Quick Guide
- Safety Guide

Note: Microphone capsule is sold separately.

4. PRODUCT OVERVIEW

The EW-D SKM-S BASE SET is a digital wireless system designed for reliable audio transmission. It features a robust metal housing for the receiver and handheld transmitter, ensuring durability for stage use.

4.1 Key Components



Image 4.1.1: The Sennheiser EW-D EM rackmount receiver and the SKM-S handheld transmitter. The receiver features a clear display for status monitoring, while the handheld transmitter is designed for comfortable use.



Image 4.1.2: A close-up view of the Sennheiser EW-D SKM-S handheld transmitter, showing its sleek design

and robust construction.

4.2 Features

- **Digital Wireless Transmission:** Eliminates noise, interference, and static bursts for clear audio.
- **UHF Transmission:** Enhances range, reliability, and scalability in various environments.
- **EW-D Smart Assist App:** Streamlines setup and operation, offering intuitive control and monitoring from a mobile device.
- **Automated Setup:** Facilitates quick and reliable connections with minimal manual effort.
- **Wide Bandwidth:** 56 MHz bandwidth supports up to 90 channels, providing flexibility for multi-system setups.



Image 4.2.1: A smartphone displaying the Sennheiser Smart Assist App, which allows for easy management and monitoring of the wireless system.

5. SETUP

Follow these steps for initial setup of your EW-D SKM-S BASE SET:

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Connect Receiver:**
 - Attach the two rod antennas to the BNC connectors on the rear of the EW-D EM receiver.
 - Connect the power supply unit to the receiver's power input and plug it into a power outlet.
 - Connect the receiver's audio output (XLR or 1/4" jack) to your mixing console or audio interface.
3. **Insert Batteries into Transmitter:**
 - Unscrew the bottom part of the SKM-S handheld transmitter.
 - Insert two AA batteries, observing correct polarity.
 - Screw the bottom part back on securely.

4. **Attach Microphone Capsule:** Screw your desired Sennheiser microphone capsule onto the SKM-S handheld transmitter.
5. **Power On:** Turn on the receiver and then the handheld transmitter.
6. **Automatic Frequency Scan & Sync:**
 - The system will automatically scan for available frequencies.
 - Follow the on-screen prompts on the receiver to sync the transmitter. This typically involves pressing the "Sync" button on the receiver and aligning the transmitter's IR port with the receiver's IR port.



Image 5.1: An individual adjusting settings on multiple rack-mounted Sennheiser EW-D receivers, demonstrating a typical setup scenario.

7. **Install Smart Assist App (Optional but Recommended):**
 - Download the Sennheiser Smart Assist App from your device's app store.
 - Open the app and follow the instructions to connect to your EW-D system via Bluetooth.



Image 5.2: A hand holding a smartphone displaying the Sennheiser Smart Assist App, showing a frequency scan and channel management interface.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **Receiver:** Press the power button on the front panel.
- **Transmitter:** Press and hold the power button on the handheld transmitter until the display illuminates/shuts off.

6.2 Adjusting Gain

The input gain of the transmitter can be adjusted to prevent clipping and optimize signal-to-noise ratio. This can be done directly on the receiver or via the Smart Assist App.

- **On Receiver:** Navigate to the gain settings menu using the control buttons.
- **Via Smart Assist App:** Open the app, select your device, and adjust the gain slider.

6.3 Frequency Management

The EW-D system features automatic frequency setup. For complex environments or multi-system setups, the Smart Assist App provides advanced frequency coordination tools.

- **Automatic Scan:** The receiver performs an automatic scan upon power-up or when initiated manually.
- **App Control:** Use the Smart Assist App to view available frequencies, identify potential interference, and assign channels.

7. MAINTENANCE

7.1 Cleaning

- Clean the device surfaces with a soft, dry cloth.
- Do not use cleaning agents or solvents that could damage the finish.
- Regularly clean the microphone grille and capsule area to maintain audio quality.

7.2 Battery Replacement

Replace the AA batteries in the handheld transmitter when the low battery indicator appears on the transmitter or receiver display, or in the Smart Assist App. Always use fresh, high-quality alkaline batteries or rechargeable batteries recommended by Sennheiser.

7.3 Storage

When not in use for extended periods, store the system in a dry, dust-free environment. Remove batteries from the transmitter to prevent leakage.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or weak signal	<ul style="list-style-type: none"> Transmitter/receiver not powered on. Low batteries in transmitter. Incorrect gain setting. Transmitter and receiver not synced. Antennas not properly connected or positioned. Audio cable disconnected or faulty. 	<ul style="list-style-type: none"> Ensure both units are powered on. Replace batteries. Adjust gain on receiver or app. Perform a sync procedure. Check antenna connections and position them for optimal reception. Verify audio cable connection and test with another cable.
Interference or dropouts	<ul style="list-style-type: none"> Operating on a busy frequency. Obstructions between transmitter and receiver. Too far from receiver. 	<ul style="list-style-type: none"> Perform a new frequency scan and sync. Relocate receiver or transmitter to avoid obstructions. Reduce distance between transmitter and receiver.
Cannot connect to Smart Assist App	<ul style="list-style-type: none"> Bluetooth not enabled on mobile device. Receiver's Bluetooth not active. App requires update. 	<ul style="list-style-type: none"> Enable Bluetooth on your smartphone/tablet. Ensure Bluetooth is enabled on the receiver (check menu). Update the Smart Assist App to the latest version.

9. SPECIFICATIONS

Feature	Detail
Brand	Sennheiser

Feature	Detail
Model Number	508760
UPC	615104335806
Item Weight	6.23 pounds
Product Dimensions	16.25 x 14.1 x 3.2 inches
Color	Black
Material Type	Metal
Battery Type (Transmitter)	Alkaline (AA)
Antenna Type	Radio
Number of Channels	Up to 90 (within 56 MHz bandwidth)
Frequency Band	Q1-6
Transmission Type	Digital UHF

10. WARRANTY AND SUPPORT

Sennheiser products are manufactured to the highest quality standards. For detailed warranty information, please refer to the warranty card included with your product or visit the official Sennheiser website. For technical support, service, or additional information, please visit the Sennheiser support page or contact their customer service directly. Keep your proof of purchase for warranty claims.

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