

## Sennheiser AVX 835 SET 4

# Sennheiser AVX Digital Wireless Microphone System - 835 Handheld Set User Manual

Model: AVX 835 SET 4 (505863)

## 1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Sennheiser AVX Digital Wireless Microphone System, 835 Handheld Set. The AVX system is designed for professional audio capture in film projects and other applications requiring reliable wireless microphone performance.

Key features of the Sennheiser AVX system include:

- Ultra-compact AVX receiver for direct XLR audio input connection.
- Automatic power on/off with camera using P48 Phantom Power.
- Automatic input sensitivity adjustment for optimal recording levels.
- Automatic operating frequency selection to minimize interference.

## 2. PRODUCT OVERVIEW

The Sennheiser AVX 835 Handheld Set consists of the following main components:

- **AVX Handheld Transmitter (SKM AVX-835):** Features an integrated e835 dynamic capsule for clear vocal reproduction.
- **AVX EKP Receiver:** A compact receiver designed to plug directly into an XLR input.
- Rechargeable batteries for both transmitter and receiver.
- USB charging cable.
- Microphone clamp.
- Pouch.



Figure 2.1: Overview of the Sennheiser AVX 835 Handheld Set, showing the handheld microphone and the compact XLR receiver.



Figure 2.2: Close-up view of the Sennheiser AVX 835 Handheld Microphone, highlighting its robust construction and integrated display.



Figure 2.3: Detailed view of the Sennheiser AVX EKP Receiver, showing the XLR connector and control buttons.

## 3. SETUP

### 3.1 Initial Charging

Before first use, fully charge both the handheld transmitter and the receiver using the provided USB charging cable. Connect the cable to a standard USB power source (e.g., computer USB port, USB wall adapter).

- Charging indicator lights will show charging status.
- A full charge typically takes approximately 3 hours for the receiver and 8 hours for the transmitter.

### 3.2 Connecting the Receiver

1. Locate the XLR audio input on your camera or recording device.
2. Plug the AVX EKP Receiver directly into the XLR input. Ensure a secure connection.
3. If your camera provides P48 Phantom Power, the receiver will automatically power on when connected and power off when disconnected.

### 3.3 Pairing Transmitter and Receiver

The AVX system is designed for automatic pairing. Typically, the units will pair automatically upon power-up. If manual pairing is required:

1. Ensure both the handheld transmitter and the receiver are powered on.
2. Press and hold the "Pair" button on the receiver (refer to Figure 2.3 for location).
3. Press and hold the pairing button on the handheld transmitter (consult the transmitter's specific diagram for exact location, usually near the power button).
4. The units will establish a connection, indicated by a stable link light on both devices.

## 4. OPERATING INSTRUCTIONS

## 4.1 Powering On/Off

- **Receiver:** Powers on automatically when connected to an XLR input with P48 Phantom Power. Can also be powered on/off manually via its power button if not using phantom power.
- **Handheld Transmitter:** Press and hold the power button until the display illuminates. Press and hold again to power off.

## 4.2 Automatic Level Setting

The AVX system automatically adjusts the input sensitivity to achieve optimal recording levels. This feature simplifies setup and helps prevent audio clipping or low signal-to-noise ratios.

## 4.3 Automatic Frequency Management

The system continuously scans for and selects the clearest operating frequencies to eliminate interference. This ensures a stable and reliable wireless connection, even in environments with multiple wireless devices.

## 4.4 Usage Tips

- Maintain a clear line of sight between the transmitter and receiver for optimal range and signal stability.
- Avoid placing the transmitter or receiver directly next to large metal objects or other strong RF sources.
- Regularly check battery status indicators on both devices.

# 5. MAINTENANCE

## 5.1 Cleaning

- Use a soft, dry cloth to clean the exterior surfaces of the transmitter and receiver.
- Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the finish or internal components.
- For the microphone grille, use a soft brush to gently remove dust or debris.

## 5.2 Battery Care

- The system uses rechargeable batteries. For optimal battery life, avoid fully discharging the batteries regularly.
- Store the devices in a cool, dry place when not in use.
- If storing for extended periods, charge the batteries to approximately 50% capacity.

# 6. TROUBLESHOOTING

## 6.1 No Audio Output

- **Check Power:** Ensure both the transmitter and receiver are powered on and have sufficient battery charge.
- **Check Connection:** Verify the receiver is securely plugged into the camera's XLR input.
- **Check Pairing:** Confirm that the transmitter and receiver are successfully paired (indicated by stable link lights). If not, attempt manual pairing as described in Section 3.3.
- **Camera Settings:** Ensure your camera's audio input is correctly configured for the XLR input and that input levels are not muted or set too low.

## 6.2 Interference or Dropouts

- **Environmental Factors:** Move away from potential sources of interference such as Wi-Fi routers, other wireless devices, or large metal structures.

- **Range:** Ensure the transmitter and receiver are within the effective operating range.
- **Automatic Frequency Scan:** The AVX system automatically manages frequencies. If issues persist, power cycle both units to force a new frequency scan.

### 6.3 Short Battery Life

- **Full Charge:** Ensure batteries are fully charged before use.
- **Battery Age:** Rechargeable batteries degrade over time. If battery life significantly decreases, consider replacing the rechargeable battery packs.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Sennheiser
Model Name	AVX 835 SET 4
Item Model Number	505863
Microphone Form Factor	Microphone System (Handheld)
Connectivity Technology	XLR (Receiver)
Polar Pattern	Unidirectional
Frequency Response	1930 MHz (Operating Frequency)
Signal-to-Noise Ratio	110 dB
Impedance	40 Kiloohms
Power Source	Corded Electric (Charging), Rechargeable Batteries
Batteries	2 AA batteries required (included, likely for transmitter, receiver has internal rechargeable)
Item Weight	16 ounces (1 pound)
Product Dimensions (L x W x H)	12.6 x 6.7 x 2.9 inches
Material	Plastic, metal, electronic components
Compatible Devices	Camera

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

This Sennheiser AVX Digital Wireless Microphone System comes with a **2-year warranty** when purchased from an authorized Sennheiser dealer. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Sennheiser website.

### 8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Sennheiser customer support. Contact information can typically be found on the official Sennheiser website or in the product packaging.

You may also visit the [Sennheiser Brand Store on Amazon](#) for additional product information and resources.