Sennheiser HSP 4-3

Sennheiser HSP 4-3 Headworn Microphone User Manual

Model: HSP 4-3

INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your Sennheiser HSP 4-3 Headworn Microphone. The HSP 4-3 is a high-quality cardioid condenser microphone designed for wireless applications, offering clear audio capture in various professional settings.

Key Features:

- Lightweight headworn design for comfortable extended use.
- Flexible boom microphone for precise positioning.
- Equipped with a 3-pin lockable connector for secure attachment to Sennheiser wireless systems.
- Cardioid (unidirectional) polar pattern for focused sound pickup and rejection of off-axis noise.

SETUP

Follow these steps to properly set up your HSP 4-3 headworn microphone.

1. **Connecting the Microphone:** Locate the 3-pin lockable connector on the microphone cable. Align the connector with the corresponding input on your Sennheiser wireless bodypack transmitter. Push the connector firmly into place and twist the locking ring to secure it. Ensure a snug connection to prevent signal interruptions.

2. **Wearing the Microphone:** Gently place the headworn frame over your head. Adjust the frame for a comfortable and secure fit. Position the flexible boom arm so that the microphone capsule is approximately 1-2 centimeters (0.4-0.8 inches) from the corner of your mouth. This placement helps optimize sound quality and minimize plosives.

3. **Cable Management:** Route the microphone cable discreetly and securely to your bodypack transmitter. Use any provided cable clips or clothing clips to prevent the cable from snagging or creating noise during movement.

4. **Transmitter Setup:** Refer to your Sennheiser wireless system's manual for instructions on pairing the transmitter with the receiver, setting gain levels, and selecting appropriate frequencies.

Image: The Sennheiser HSP 4-3 headworn microphone, showing its lightweight frame and flexible boom arm with the microphone capsule. This image illustrates the overall design and how the microphone would be worn.

OPERATING INSTRUCTIONS

Once the microphone is set up and connected to your wireless system, follow these guidelines for optimal performance.

- **Gain Adjustment:** Before use, perform a sound check to adjust the input gain on your wireless transmitter. Speak at your normal volume and ensure the audio levels are strong without clipping (distortion).
- **Microphone Placement:** Maintain consistent microphone placement during use. The cardioid polar pattern is designed to pick up sound primarily from the front, minimizing background noise.
- **Recommended Uses:** The HSP 4-3 is ideal for applications requiring hands-free operation and clear vocal reproduction, such as:
  - Public speaking and presentations
  - Theater and stage performances
  - Video conferencing and broadcasting
  - Educational instruction
- **Avoiding Feedback:** When using in live sound environments, position loudspeakers to the front or sides of the microphone, not directly behind it, to reduce the risk of audio feedback.

MAINTENANCE

Proper care and maintenance will extend the lifespan and ensure the continued performance of your microphone.

- **Cleaning:**
  - Wipe the microphone frame and boom arm with a soft, damp cloth.
  - For the microphone capsule, use a dry, soft brush to gently remove any dust or debris. Avoid using liquids directly on the capsule.
  - Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Storage:** Store the microphone in its original packaging or a protective case when not in use. Keep it in a cool, dry place away from extreme temperatures, humidity, and direct sunlight.
- **Handling:** Avoid dropping the microphone or subjecting it to strong impacts, as this can damage the sensitive internal components.
- **Cable Care:** Do not sharply bend or crimp the microphone cable. Coil it loosely for storage to prevent damage.

TROUBLESHOOTING

If you encounter issues with your HSP 4-3 microphone, consult the following common troubleshooting steps.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No Sound Output	- Loose cable connection. - Transmitter/receiver not powered on or paired. - Incorrect gain settings. - Microphone damage.	- Ensure the 3-pin connector is securely locked. - Verify power and pairing status of your wireless system. - Adjust gain levels on the transmitter and receiver. - Test with another microphone if available; contact support if suspected damage.
Distorted Audio	- Gain levels too high. - Microphone too close to sound source. - Interference with wireless signal.	- Reduce input gain on the transmitter and/or receiver. - Adjust microphone placement slightly further from the mouth. - Check for clear wireless channels and potential interference sources.
Weak or Low Volume	- Gain levels too low. - Incorrect microphone placement.	- Increase input gain on the transmitter and/or receiver. - Ensure microphone is positioned correctly, 1-2 cm from the mouth.

If these steps do not resolve the issue, please refer to the support section or contact Sennheiser customer service.

SPECIFICATIONS

Detailed technical specifications for the Sennheiser HSP 4-3 Headworn Microphone.

Feature	Detail
Model Name	HSP 4-3
Microphone Form Factor	Headset
Polar Pattern	Unidirectional (Cardioid)
Connector Type	3-pin lockable
Connectivity Technology	Proprietary Digital Wireless Transmission (Sennheiser)
Color	Tan
Material	Metal
Item Weight	11.2 ounces (0.7 Pounds)
Product Dimensions (L x W x H)	9.37 x 2.2 x 8.07 inches
Signal-to-Noise Ratio	110 dB
Recommended Uses	Speech, Video Conference
Compatible Devices	Smartphone, Laptop, Personal Computer (via compatible wireless system)
Manufacturer	Sennheiser

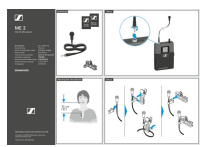| Feature	Detail
UPC	615104098657

WARRANTY AND SUPPORT

Sennheiser products are manufactured to the highest quality standards. For information regarding the warranty period and terms for your HSP 4-3 microphone, please refer to the warranty card included with your product or visit the official Sennheiser website.

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Sennheiser customer support. You can find contact information and additional resources on the official Sennheiser support page: Sennheiser Service & Support

Related Documents - HSP 4-3
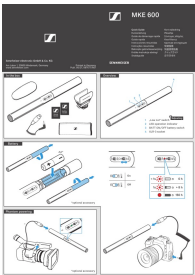
	Sennheiser MKE 400 Camera Microphone: User Manual and Specifications Comprehensive user manual for the Sennheiser MKE 400 camera and camcorder microphone, covering features, operation, specifications, and safety information.
	Sennheiser Digital 6000: Handbuch für professionelle drahtlose Mikrofonsysteme Umfassendes Handbuch für das Sennheiser Digital 6000 System, einschließlich EM 6000 Empfänger, SKM 6000 Handsender, SK 6000/SK 6212 Taschensender, Ladegeräte und Zubehör. Erfahren Sie mehr über Installation, Bedienung und technische Spezifikationen.
	Sennheiser ME 2 Clip-On Microphone: Quick Start Guide and Specifications Learn how to set up and use the Sennheiser ME 2 clip-on microphone. This guide covers contents, wearing instructions, cleaning, and technical specifications for the omni-directional condenser microphone.

[Sennheiser e 945 Super-Cardioid Dynamic Vocal Microphone Instruction Manual](#)
Comprehensive instruction manual for the Sennheiser e 945 super-cardioid dynamic vocal microphone. Learn about its features, specifications, positioning, maintenance, and warranty.

[Sennheiser MKH 416-P48U3 Directional Studio Microphone Instruction Manual](#)
Comprehensive instruction manual for the Sennheiser MKH 416-P48U3 directional studio microphone, detailing safety guidelines, product features, technical specifications, usage instructions, and compliance information.

[Sennheiser MKE 600 Quick Guide: Features, Setup, and Specifications](#)
Concise guide to the Sennheiser MKE 600 shotgun microphone, covering its features, setup, battery operation, phantom powering, specifications, and accessories for professional audio capture.