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Shure SM4-K-KIT

Shure SM4 Studio Recording Microphone Kit

User Manual

Introduction

The Shure SM4 Home Recording Microphone is designed to capture professional recordings of vocals and instruments with mix-ready audio and interference protection. Its 1-inch brass dual-diaphragm capsule consistently reproduces every element of your performance with remarkable accuracy and exceptional low-frequency control. Featuring patent-pending Interference Shielding Technology, the SM4 blocks unwanted RF noise from wireless devices, ensuring cleaner audio. The sleek, low-profile design with all-metal construction makes it a perfect upgrade for any home studio setup.

What's in the Box

- SM4 Microphone
- Detachable magnetic pop filter
- Shock Mount
- Brass Mic Stand Adapter
- Zippered Carrying Case



The Shure SM4 kit includes the microphone, a detachable magnetic pop filter, a shock mount, a brass mic stand adapter, and a zippered carrying case for convenient storage and transport.

Key Features

- **Smooth Audio Reproduction:** The SM4 microphone features a brass 1-inch dual-diaphragm capsule, providing clean, controlled low-end frequencies and smooth, detailed highs for natural audio reproduction.
- **Superior Noise Rejection:** The SM4's uniform cardioid polar pattern ensures superior off-axis rejection of unwanted noise, capturing your sound source with clarity and precision.
- **Reduces Proximity Effect:** Designed with a large “sweet spot,” the SM4 reduces the proximity effect, offering more consistent audio quality, making it ideal for close-miking vocals and instruments.
- **Interference Shielding:** The SM4 microphone employs patent-pending interference shielding technology, effectively blocking RF noise from cell phones, laptops, and Wi-Fi routers for cleaner audio.
- **Integrated Pop Filter:** With an integrated pop-filter and woven mesh Faraday cage, the SM4 ensures clean audio capture by minimizing plosive sounds and protecting against unwanted noise.
- **Mix-Ready Sound:** The internal pop filter of the SM4 allows for plosive and rumble-free recordings, making post-

production easier and ensuring your recordings are mix-ready right from the start.

- **Record Without Distortion:** Capable of capturing sounds up to 140dB, the SM4 ensures your loud instruments come through clearly without any distortion, thanks to its high-SPL handling.
- **Legendary Durability:** Built with rugged, all-metal construction, the SM4 is designed by a brand with decades of experience, offering legendary durability for both stage and studio use.
- **Camera-Ready Design:** Featuring a sleek, low-profile design, the SM4 won't obscure the performer or environment, making it ideal for video recordings and live-streaming setups.



The Shure SM4 microphone is engineered for smooth audio reproduction, capturing every nuance of your performance.



Equipped with two pop filters, the SM4 effectively minimizes plosives for clear recordings.



Versatile for both vocals and instruments, the SM4 delivers professional sound for various applications.



The SM4 is designed to be the starting point for your next audio project, offering mix-ready sound.

▶ **Watch video online**

Product Overview Video

Official product overview video showcasing the Shure SM4 microphone's features and design.

Setup Guide

1. **Attach Shock Mount:** Securely attach the provided shock mount to your microphone stand or boom arm. The shock mount helps isolate the microphone from vibrations and handling noise.
2. **Insert Microphone:** Carefully insert the Shure SM4 microphone into the shock mount, ensuring it is firmly seated. The microphone should be positioned with the Shure logo facing the sound source for optimal pickup.
3. **Connect XLR Cable:** Plug one end of an XLR cable (not included) into the microphone's XLR port and the other end into your audio interface or mixer. Ensure your audio interface provides phantom power, as condenser microphones require it to operate.

4. **Attach Pop Filter:** The detachable magnetic pop filter can be easily attached to the front of the microphone. This helps to minimize plosive sounds (harsh 'p' and 'b' sounds) and protect against unwanted noise.
5. **Position Microphone:** For optimal sound quality, position the microphone within its "large sweet spot" to reduce proximity effect. Experiment with distance and angle to find the best sound for your specific vocal or instrument recording.





The Shure SM4 microphone is designed for easy setup, allowing you to quickly begin recording professional-quality audio.

Operating Instructions

- **Optimal Placement:** The SM4 features a large sweet spot, which means it can capture clear audio from various angles. For vocals, position the microphone a few inches from your mouth. For instruments, experiment with placement to capture the desired tone.
- **Managing Proximity Effect:** The microphone is designed to reduce the proximity effect, which is the increase in bass response when a sound source is close to the microphone. This allows for more consistent audio quality even with close-miking techniques.
- **High SPL Handling:** The SM4 can handle sound pressure levels (SPL) up to 140dB without distortion. This makes it suitable for recording loud instruments like drums or guitar amplifiers without compromising audio quality.
- **RF Interference Protection:** The built-in interference shielding technology actively blocks unwanted RF noise from devices like cell phones and Wi-Fi routers. Ensure your recording environment is free from excessive electronic interference for the cleanest signal.





The magnetic pop filter easily attaches to the SM4, ensuring plosive-free recordings.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Avoid using harsh chemicals or abrasive materials that could damage the finish.
- **Storage:** When not in use, store the SM4 microphone in its provided zippered carrying case to protect it from dust, moisture, and physical damage.
- **Handling:** While built with rugged all-metal construction, handle the microphone with care to ensure its longevity

and optimal performance. Avoid dropping or subjecting it to excessive force.

Troubleshooting

- **No Sound:** Ensure the XLR cable is securely connected to both the microphone and your audio interface. Verify that phantom power is enabled on your audio interface, as the SM4 is a condenser microphone and requires it. Check your audio interface's input levels and your computer's sound settings.
- **Distorted Audio:** If your audio sounds distorted, the input level might be too high. Reduce the gain on your audio interface or mixer. The SM4 can handle high SPLs, but excessive input gain can still cause clipping.
- **Unwanted Noise/Hum:** Check for potential sources of RF interference (cell phones, Wi-Fi routers, laptops) near the microphone and recording setup. Ensure all cables are properly shielded and connected.
- **Plosive Sounds:** If you hear harsh 'p' or 'b' sounds, ensure the magnetic pop filter is correctly attached and positioned. Experiment with increasing the distance between your mouth and the microphone slightly.

Specifications

Specification	Value
Brand	Shure
Model Name	SM4-K-KIT
Connectivity Technology	XLR
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional
Audio Sensitivity	140 dB
Signal-to-Noise Ratio	60 dB
Item Weight	2.52 Pounds
Product Dimensions	10.03 x 7.99 x 4.1 inches
Power Source	PHANTOM POWER: All condenser microphones require phantom power to operate.
Special Feature	RF Interference Protection
Recommended Uses	Music Production, Vocal Recording and Podcasting

Warranty and Support

The Shure SM4 Studio Recording Microphone Kit comes with a standard manufacturer's warranty. For detailed warranty information, product registration, and technical support, please visit the official Shure website or contact their customer service. You can also find additional product setup videos and related accessories on the help.shure.com website.

For further assistance, please refer to the official Shure support channels.

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