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Shure SM4-K & MVX2U Bundle

Shure SM4 Microphone & MVX2U Interface User Manual

Model: SM4-K & MVX2U

1. Product Overview

This bundle includes the Shure SM4 Studio Recording Microphone and the Shure MVX2U XLR-to-USB Digital Interface. This combination provides a comprehensive solution for high-quality audio recording and streaming, offering versatile connectivity and advanced features for both dynamic and condenser microphones.



Image: The Shure SM4 Studio Recording Microphone (left) and the Shure MVX2U XLR-to-USB Digital Interface (right). The microphone is a cylindrical black unit with a mesh grille, and the interface is a compact black adapter with an XLR connector.

Key Features:

- **SM4 Microphone:** Brass 1-inch dual-diaphragm capsule for natural audio reproduction with controlled low-end and detailed highs.
- **MVX2U Interface:** XLR to USB connectivity, integrated pre-amp with up to 60dB gain, 48V phantom power, and a 3.5mm headphone jack for zero-latency monitoring.
- **Superior Noise Rejection:** SM4's uniform cardioid polar pattern minimizes unwanted off-axis noise.
- **Reduced Proximity Effect:** SM4's large "sweet spot" ensures consistent audio quality even when close-miking.
- **Interference Shielding:** SM4 features patent-pending technology to block RF noise.
- **Integrated Pop Filter:** SM4 includes a pop-filter and Faraday cage for clean audio capture.
- **Auto Level Mode:** Available via MVX2U for streamlined audio setup.
- **Compatibility:** Mac & Windows compatible via USB-C.

2. Components Included

The following items are included in your Shure SM4 & MVX2U bundle:

- Shure SM4 Studio Recording Microphone (Model: SM4-K)
- Shure MVX2U XLR-to-USB Digital Interface (Model: MVX2U)
- USB-C to USB-C Cable (1 meter)

3. Setup Guide

3.1 Connecting the Microphone to the Interface

1. Locate the XLR output on the Shure SM4 microphone.
2. Connect the XLR end of a standard XLR cable (not included in bundle, typically comes with microphone) to the SM4 microphone.
3. Connect the other XLR end of the cable to the XLR input on the Shure MVX2U Digital Interface. Ensure a secure connection.

3.2 Connecting the Interface to Your Computer

1. Use the provided USB-C to USB-C cable.
2. Connect one end of the USB-C cable to the USB-C port on the MVX2U interface.
3. Connect the other end of the USB-C cable to an available USB-C port on your Mac or Windows computer.
4. The MVX2U will be recognized as an audio device by your operating system.

3.3 Headphone Monitoring Setup

For zero-latency monitoring of your audio, connect your headphones to the 3.5mm headphone jack on the MVX2U interface.

3.4 Phantom Power (for Condenser Microphones)

The MVX2U provides 48V phantom power, which is required for the Shure SM4 condenser microphone to operate. Phantom power is automatically supplied when the MVX2U is connected and powered via USB.

4. Operating Instructions

4.1 Gain Control

The MVX2U features an integrated pre-amp with up to 60dB of gain control. Adjust the gain to achieve an optimal input level without clipping. This can typically be controlled via the ShurePlus Desktop App or your computer's sound settings.

4.2 Auto Level Mode

The MVX2U supports an Auto Level Mode, which automatically adjusts the gain to maintain a consistent audio level. This feature is accessible through the ShurePlus Desktop App and is ideal for users who prefer a hands-off approach to level management.

4.3 Zero-Latency Monitoring

Utilize the 3.5mm headphone jack on the MVX2U for direct, zero-latency monitoring of your microphone input.

This allows you to hear your audio in real-time without any delay, which is crucial for recording and live streaming.

4.4 Microphone Placement and Technique

- **Proximity Effect:** The SM4 is designed with a large "sweet spot" to reduce the proximity effect. Experiment with distance from the microphone to find the desired tonal balance.
- **Noise Rejection:** The SM4's cardioid polar pattern is most sensitive to sound directly in front of it and rejects sound from the sides and rear. Position the microphone to point directly at your sound source (e.g., your mouth) and away from unwanted noise sources.
- **Integrated Pop Filter:** The built-in pop filter helps minimize plosive sounds (like 'p' and 'b' sounds). For optimal performance, speak or sing directly into the front of the microphone.

4.5 ShurePlus Desktop App

For advanced control and firmware updates, download and install the ShurePlus Desktop App from the official Shure website. This application allows you to fine-tune settings, manage gain, activate Auto Level Mode, and ensure your device has the latest features and benefits.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphone and interface. Do not use liquid cleaners or solvents.
- **Storage:** Store the microphone and interface in a dry, cool place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the USB-C and XLR cables to prevent damage.

6. Troubleshooting

6.1 No Sound Output

- Ensure all cables (XLR, USB-C, headphones) are securely connected.
- Verify that the MVX2U is selected as the input and output device in your computer's sound settings and recording software.
- Check the gain level on the MVX2U (via ShurePlus App or system settings) to ensure it's not set too low.
- Confirm that phantom power is active for the SM4 microphone (it should be automatically supplied by MVX2U).
- Test with different USB ports on your computer.

6.2 Unwanted Noise or Interference

- Ensure the SM4 microphone is positioned correctly, pointing at the desired sound source and away from noise.
- The SM4 has interference shielding; however, try to keep the microphone away from strong electromagnetic sources like cell phones, Wi-Fi routers, or power cables if interference persists.
- Check for ground loops if using other audio equipment.

6.3 Device Not Recognized by Computer

- Try disconnecting and reconnecting the USB-C cable.

- Restart your computer.
- Ensure your operating system is up to date.
- Try a different USB-C port or a different USB-C cable if available.

7. Specifications

Feature	Description
Brand	Shure
Microphone Type	Condenser (SM4)
Polar Pattern	Unidirectional (Cardioid)
Interface Connector Type	USB, XLR
Special Features	3.5mm headphone jack, USB-C connectivity, 60dB Gain Control, 48V Phantom Power
Hardware Platform	Laptop (Mac & Windows compatible)
Power Source	Corded Electric (USB-powered)

8. Warranty and Support

For warranty information and technical support, please refer to the official Shure website or contact Shure customer service directly. Keep your proof of purchase for warranty claims.
Shure Official Website: www.shure.com

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