

Shure KSM137/SL STEREO

Shure KSM137 Stereo Pair User Manual

Model: KSM137/SL STEREO | Brand: Shure

1. INTRODUCTION

Product Description

The Shure KSM137 is an end-address condenser microphone with a single cardioid polar pattern. Designed for studio use, yet rugged enough for live applications, the KSM137 can withstand extremely high sound pressure levels (SPL). Its low self-noise and extended frequency response make it ideal for recording instruments. Versatile, durable, and precise, the KSM137 is an outstanding microphone for instruments ranging from percussion to wind, strings to brass, and piano to guitar.

Key Features

- Small-diaphragm Cardioid Instrument Microphone with Gold-layered Mylar Diaphragm
- Carrying Case - Stereo Pair
- Transformerless Preamplifier
- Stereo Microphone Adapter
- High-pass Filter



Figure 1: Shure KSM137 Stereo Pair. This image shows two KSM137 microphones, highlighting their compact design and the Shure branding.

2. SETUP

Unpacking and Contents

Carefully unpack all components from the packaging. Ensure all items listed below are present:

- Shure KSM137 Microphones (2 units)
- Amplifier

- Warranty Card
- Stereo Microphone Adapter
- Carrying Case

Connecting the Microphones

1. Connect a standard XLR (3-pin) microphone cable to the output connector at the base of each KSM137 microphone.
2. Connect the other end of the XLR cables to your audio interface, mixer, or preamplifier inputs.
3. Ensure that 48V phantom power is enabled on your audio device for each connected microphone. The KSM137 requires phantom power to operate.

Stereo Setup

For stereo recording, utilize the included Stereo Microphone Adapter to mount both KSM137 microphones on a single stand. Position the microphones according to your desired stereo miking technique (e.g., X-Y, ORTF, A-B).



Figure 2: Single Shure KSM137 Microphone. This image provides a closer look at a single KSM137, showing the gain and high-pass filter switches.

3. OPERATING

Gain Settings

The KSM137 features a three-position pad switch to adjust the microphone's output level, allowing it to handle various sound pressure levels without distortion:

- **0 dB:** Standard setting for most applications.
- **-15 dB:** Attenuates the signal by 15 dB, suitable for loud sound sources like drums or brass instruments.
- **-25 dB:** Attenuates the signal by 25 dB, for extremely high SPL sources.

Select the appropriate setting to prevent input clipping on your mixer or interface.

High-Pass Filter

The microphone includes a switchable high-pass filter to reduce unwanted low-frequency noise:

- **Flat:** Full frequency response.
- **High-Pass:** Engages a low-frequency roll-off, useful for reducing rumble, handling noise, or proximity effect.

Engage the high-pass filter when recording vocals or instruments where low-end mud is a concern.

Placement Guidelines

Optimal microphone placement is crucial for sound quality. Experiment with distance and angle relative to the sound source. For stereo recording, ensure both microphones are equidistant from the center of the sound field to maintain phase coherence.

4. MAINTENANCE

Cleaning

To clean the microphone, gently wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the microphone's finish or internal components. Avoid getting moisture into the grille or connectors.

Storage

When not in use, store the KSM137 microphones in their included carrying case to protect them from dust, moisture, and physical damage. Store in a cool, dry environment.

5. TROUBLESHOOTING

No Sound Output

- **Check Phantom Power:** Ensure 48V phantom power is enabled on your mixer or audio interface.
- **Cable Connection:** Verify that XLR cables are securely connected at both the microphone and the input device.
- **Input Gain:** Confirm that the input gain on your mixer/interface is turned up sufficiently.
- **Pad Switch:** Ensure the pad switch on the microphone is not set too high for the input device, or that it's not stuck.

Distorted Sound

- **Pad Switch:** If the sound is distorted, engage the -15 dB or -25 dB pad switch on the microphone to reduce the input level.
- **Input Gain:** Reduce the input gain on your mixer or audio interface.
- **Proximity:** Move the microphone further away from very loud sound sources.

Hum or Noise

- **Cable Integrity:** Check XLR cables for damage or faulty connections.
- **Ground Loop:** Ensure all audio equipment is properly grounded.
- **Interference:** Keep microphone cables away from power cables or other sources of electromagnetic interference.
- **High-Pass Filter:** Engage the high-pass filter on the microphone to reduce low-frequency rumble.

6. SPECIFICATIONS

Feature	Detail
Microphone Form Factor	Small Diaphragm
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	XLR
Connector Type	XLR
Power Source	Corded Electric (48V Phantom Power)
Material	Brass, Mylar
Signal-to-Noise Ratio	78 dB

Feature	Detail
Noise Level	80 dB
Audio Sensitivity	54 dB
Item Weight	1 pounds (approx. 16 ounces)
Product Dimensions (L x W x H)	12.15 x 9.2 x 3.15 inches
Model Number	KSM137/SL STEREO
UPC	042406199063
Manufacturer	Shure
Color	Silver
Compatible Devices	Amplifier

7. WARRANTY AND SUPPORT

Warranty Information

This product comes with a manufacturer's warranty. Please refer to the included warranty card for specific terms, conditions, and duration of coverage. Retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, service, or further information regarding your Shure KSM137 Stereo Pair, please visit the official Shure website or contact Shure customer support directly. You can find contact details and support resources on their website: www.shure.com/en-US/support

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