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Shure SM58

Shure SM58 Cardioid Dynamic Vocal Microphone User Manual

Model: SM58 (2-Pack)

1. Introduction and Overview

The Shure SM58 is a legendary cardioid dynamic vocal microphone, renowned globally for its robust construction, clear sound reproduction, and consistent performance. This 2-pack provides an excellent solution for live sound, studio recording, and various vocal applications, ensuring you have reliable audio capture for multiple performers or backup.

Designed for professional vocal use in live performance, sound reinforcement, and studio recording, the SM58's tailored vocal response for a sound that is a world standard. A built-in spherical filter minimizes wind and pop noise, while the cardioid pickup pattern isolates the main sound source and minimizes unwanted background noise.



Image: Two Shure SM58 microphones, showcasing their iconic design with black handles and silver mesh grilles. These microphones are known for their durability and vocal clarity.

2. Key Features

- **Dual Microphone Pack:** This package includes two SM58 microphones, ideal for duos, backup vocals, or having a spare for various applications.
- **Quality Sound Reproduction:** The SM58 features a critically tuned frequency response that effectively cuts out low-end rumble while providing a noticeable boost in the upper-mid frequencies, optimizing it for vocal clarity and

presence.

- **Consistent Performance:** Manufactured to stringent standards, each SM58 microphone delivers a consistent sound profile, allowing for seamless integration and expansion of your microphone collection without unexpected variations in audio quality.
- **Extreme Durability:** Renowned for its legendary toughness, the SM58 is built to withstand rigorous use in demanding environments, making it a reliable choice for touring musicians and active venues.
- **Integrated Pneumatic Shock Mount:** Reduces handling noise, ensuring a cleaner audio signal.
- **Built-in Spherical Wind and Pop Filter:** Minimizes breath noise and plosives for clearer vocal delivery.
- **Included Tough Mic Clip:** Each microphone comes with a break-resistant stand adapter that rotates 180 degrees, allowing for precise positioning and optimal angle adjustment on a microphone stand.

3. Setup Guide

1. **Unpack Components:** Carefully remove the SM58 microphones and included accessories (mic clips) from their packaging.
2. **Attach Mic Clip:** Screw the provided A25D stand adapter onto a standard microphone stand. Ensure it is securely fastened.
3. **Mount Microphone:** Insert the Shure SM58 microphone into the mic clip. The clip's design allows for a secure fit.
4. **Connect XLR Cable:** Connect a standard XLR (male) cable to the XLR (female) output connector at the base of the microphone. Connect the other end of the XLR cable to your mixer, audio interface, or preamplifier's XLR input.
5. **Power On:** Ensure your audio equipment (mixer, interface) is powered on and phantom power is **NOT** engaged for dynamic microphones like the SM58, as it is not required and can potentially cause issues with some dynamic microphones (though the SM58 is generally robust against it).
6. **Adjust Stand:** Position the microphone stand to the desired height and angle for the performer. The 180-degree rotating mic clip allows for flexible positioning.

4. Operating Instructions

The Shure SM58 is designed for straightforward operation. Follow these guidelines for optimal performance:

- **Microphone Placement:** For most vocal applications, hold the microphone 1-6 inches (2.5-15 cm) from the mouth. Closer proximity will increase bass response (proximity effect), which can be used creatively.
- **Cardioid Pickup Pattern:** The SM58 has a cardioid polar pattern, meaning it is most sensitive to sound coming from the front and rejects sound from the sides and rear. Point the top of the microphone directly at the sound source you wish to capture. This helps minimize feedback and isolate the desired sound.
- **Gain Staging:** Adjust the gain (input level) on your mixer or audio interface so that the signal is strong without clipping (distortion). Aim for peak levels around -6dB to -3dB on your meter.
- **Monitor Levels:** If using in a live setting, ensure monitor levels are appropriate to prevent feedback. The SM58's cardioid pattern helps in feedback rejection.
- **Handling Noise:** While the SM58 has an internal shock mount, excessive handling can still introduce noise. Hold the microphone firmly but avoid unnecessary movement or tapping.

5. Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your Shure SM58 microphones:

- **Cleaning:**
  - Wipe the microphone body with a soft, dry cloth.
  - For the grille, you can gently unscrew it and clean it with a mild soap and water solution. Ensure it is completely dry before reattaching. Do not get the microphone capsule wet.
- **Storage:** Store microphones in a protective case or bag when not in use to prevent dust accumulation and physical damage.
- **Handling:** Despite its legendary durability, avoid dropping the microphone or subjecting it to extreme impacts. Do not expose it to excessive moisture or extreme temperatures.
- **Cable Care:** Always grasp the connector, not the cable, when unplugging. Coil cables neatly to prevent kinks and damage.

6. Troubleshooting

Problem	Possible Cause	Solution
No Sound Output	Cable not connected properly. Mixer/interface input gain too low or muted. Faulty XLR cable. Incorrect input selected on mixer/interface.	Ensure XLR cable is fully seated at both ends. Increase gain, check mute buttons and faders. Test with a known good XLR cable. Verify the correct input channel is active.
Poor Sound Quality / Distortion	Input gain too high (clipping). Microphone too far from sound source. Damaged microphone capsule.	Reduce input gain until distortion disappears. Move microphone closer to the sound source. Contact Shure support if suspected damage.
Feedback (High-pitched squeal)	Microphone too close to speakers/monitors. Microphone pointed at speakers/monitors. Excessive gain.	Reposition microphone further from speakers. Ensure microphone is pointed away from speakers (utilize cardioid pattern). Reduce gain or use an equalizer to cut problematic frequencies.

7. Specifications

Microphone Type	Dynamic
Polar Pattern	Cardioid
Frequency Response	50 Hz to 15 kHz
Output Impedance	150 Ω (actual 300 Ω)

Sensitivity (at 1 kHz)	-54.5 dBV/Pa (1.85 mV)
Connector	Three-pin professional audio connector (XLR male)
Weight	1 pound (0.45 kg) per microphone
Dimensions (Single Mic)	Approximately 6.38 in (162 mm) L x 2.01 in (51 mm) Dia.
Package Dimensions	10.88 x 8.5 x 6 inches
Manufacturer	Shure
ASIN	B0DNG4KHKD
UPC	659657558480

8. Warranty and Support

Shure products are manufactured to the highest quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Shure website. Warranty terms may vary by region.

For technical support, service, or additional product information, please contact Shure Customer Service through their official website or the contact details provided in your product packaging. When contacting support, please have your product model (SM58) and serial number (if applicable) ready.

You can find more information and support resources on the official Shure website: www.shure.com

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