

Shure SM81 Microphone



The Shure Model SM81 is a high-quality, unidirectional condenser microphone designed for studio recording, broadcasting, and sound reinforcement. Its wide frequency response, low noise characteristics, and low RF susceptibility have made it a standard for applications involving acoustic instruments, especially guitar, piano, and cymbals. The SM81 is ruggedly constructed. It operates on phantom power and performs over a wide range of temperatures and humidity conditions.

Features

The SM81 is ruggedly constructed. It operates on phantom power and performs over a wide range of temperatures and humidity conditions. It is furnished with a swivel adapter, attenuator-switch lock, foam windscreen, and case for carrying and storage. Other accessories are available.

20 Hz to 20 kHz frequency response

Flat response curve for accurate reproduction of sound sources

Low noise and high output clipping level

Low distortion over a wide range of load impedances

Cardioid polar pattern, uniform with frequency and symmetric about axis, providing maximum rejection and minimum coloration of off-axis sounds

Low RF susceptibility

Selectable low-frequency response: flat, 6 or 18 dB/octave rolloff

0 dB/10 dB lockable attenuator switch

Phantom powering (DIN 45 596 voltages of 12 to 48 Vdc)

Rugged steel construction for durability

Field-usable over wide range of temperature and humidity conditions

Type: Condenser (electret bias)

Frequency Response: 20 to 20,000 Hz

Polar Pattern: Cardioid (unidirectional) response-uniform with frequency, symmetrical about axis

Summary: The Shure SM81 is a professional-grade condenser microphone designed for use in studio recording and live sound applications. With its precision-engineered, shock-mounted, and highly sensitive condenser element, the SM81 delivers exceptionally clear and accurate sound reproduction across a wide frequency range. The microphone's low self-noise and high SPL handling make it ideal for capturing a wide range of instruments and vocals. The SM81 also features a switchable bass roll-off, allowing you to tailor the microphone's response to the specific needs of your recording or live sound environment. Whether you're a musician, engineer, or producer, the Shure SM81 is an excellent choice for capturing high-quality audio in any setting.

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[SM81 Manual](#)