Model SM57 Dynamic Microphone
Specification Sheet

MODEL SM57
UNIDIRECTIONAL DYNAMIC MICROPHONE



OVERVIEW

The Shure SM57 unidirectional dynamic microphone is exceptional for musical instrument pickup or for vocals. With its bright, clean sound and carefully contoured presence rise, the SM57 is ideal for live sound reinforcement and recording. It has an extremely effective cardioid pickup pattern which isolates the main sound source while minimizing background noise. In the studio, it is excellent for recording drums, guitar, and woodwinds. For musical instruments or vocals, the SM57 is a consistent choice of professional performers.

FEATURES

- *Frequency response tailored for drums, guitars, and vocals*
- *Uniform cardioid pickup pattern isolates the main sound source while reducing background noise*
- *Pneumatic shock-mount system cuts down handling noise*
- *Extremely durable under the heaviest use*
- *Supplied break-resistant swivel adapter that rotates 180 °*
- *Legendary Shure quality, ruggedness, and reliability*

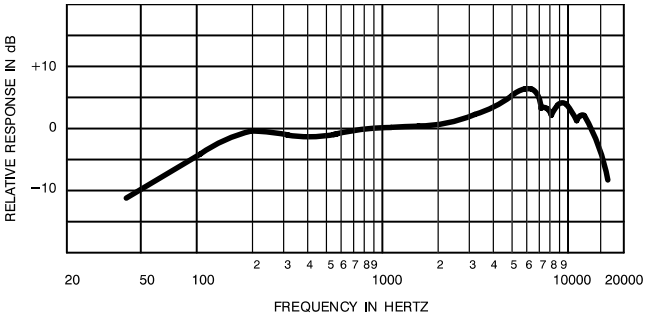
SPECIFICATIONS

Type

Dynamic

Frequency Response

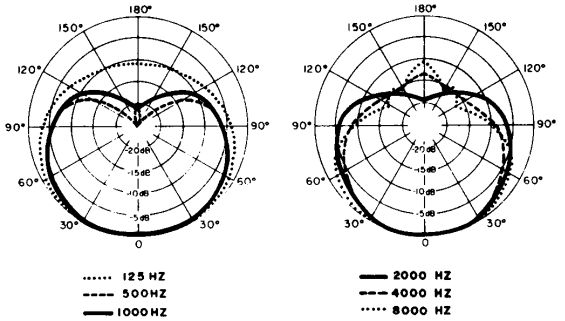
40 to 15,000 Hz



TYPICAL FREQUENCY RESPONSE

Polar Pattern

Unidirectional (cardioid), rotationally symmetrical about microphone axis, uniform with frequency.



TYPICAL POLAR PATTERNS

Sensitivity (at 1,000 Hz)

Open Circuit Voltage: –54.5 dBV/Pa* (1.9 mV)
*(1 Pa = 94 dB SPL)

FURNISHED ACCESSORIES

Swivel Adapter A25D
Storage Bag 26A13

REPLACEMENT PARTS

Cartridge R57
Screen and Grille Assembly RPM210

OPTIONAL ACCESSORIES

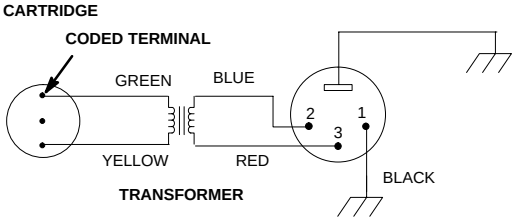
Windscreen A2WS
Desk Stand S37A, S39A
Isolation Mount A55M
Dual Mount A25M, A26M
Cable (7.6 m [25 ft]) C25E, C25F

Impedance

Rated impedance is 150Ω (310Ω actual) for connection to microphone inputs rated low impedance.

Polarity

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3.



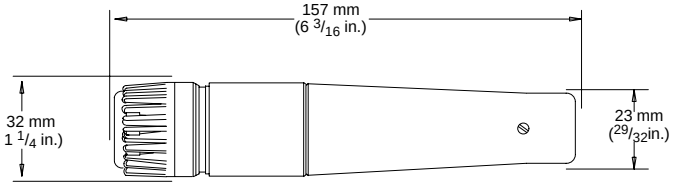
INTERNAL CONNECTIONS

Connector

Three-pin professional audio connector (male XLR type)

Case

Dark gray, enamel-painted, die-cast steel with a polycarbonate grille and a stainless steel screen.



DIMENSIONS

Swivel Adapter

Positive-action, break-resistant, adjustable through 180°, with standard $^{5}/_{8}$ in.-27 thread

Net Weight (without cable)

284 grams (10 oz)

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LEGENDARY
PERFORMANCE™

X2u

XLR-to-USB Signal Adapter With Headphone Output

For over 80 years, Shure Microphones have captured the world's most memorable stage and studio performances. Now, Shure XLR-to-USB Signal Adapters let you use your most trusted microphones for all your digital recording. Slim, portable and simple to connect, the X2u adapter makes it easy to record whenever you want, anywhere you take your computer – from the home studio, to the garage, to the road.



Connect

- Plug and Play USB Connectivity allows the convenience of digital recording, anywhere your computer can go (compatible with Windows Vista, XP, 2000, and Mac OS X 10.1 or later)
- Provides +48V Phantom power
- USB cable (3m / 9.8ft) included for immediate use

Record

- Monitor Mix Control for blending microphone and playback audio
- Headphone jack with volume control for monitoring
- Integrated pre-amp with Microphone Gain Control allows control of input signal strength

Playback

- Zero Latency Monitoring for real-time playback and multi-tracking without disorientation
- 16 bit, up to 48 kHz sample rate for better-than-CD quality audio

PRODUCT HIGHLIGHTS

- Connect any XLR microphone to a computer
- Microphone gain control
- Headphone monitoring with zero latency

IDEAL FOR

- Desktop or portable laptop studios
- Podcasting
- Instrument and vocal tracking

X2u XLR-to-USB Signal Adapter With Headphone Output

Overview

Use your favorite microphones to digitally record wherever and whenever your computer takes you with the new X2u XLR-USB Signal Adapter. Perfect for multi-track recording, the X2u features built-in headphone monitoring with zero latency, and easy controls to balance microphone and playback audio, just plug and play for better-than-CD quality sound.



Specifications

Frequency Response	20 to 20,000 Hz +/- 1 dB
Power Requirements	USB-powered, 500 mA, maximum
Digital Noise Floor (20 Hz to 20 kHz, A-weighted)	Minimum MIC GAIN setting: –81 dB FS Maximum MIC GAIN setting: –78 dB FS
Sampling Rate	up to 48 kHz
Bit Depth	16 bit
Peak Signal Indicator (Tri-color)	OFF: –30 dB FS Green: –30 to –12 dB FS Yellow: –12 to 0 dB FS Red: >0 (digital converter clipped)
Adjustable Gain Range	40 dB
Headphone Output	3.5 mm (1/8 inch)

System Requirements

USB	USB 1.1 or 2.0, powered
RAM	64MB RAM (minimum)
Operating System	Microsoft Windows 2000 Professional Japanese/English Edition Microsoft Windows XP Home/Professional Japanese/English Edition (service pack 1.0 or later, or use the USB audio driver update from Microsoft) Microsoft Windows Vista™ Business Japanese/English Edition Apple Computer Mac OS X 10.0 or later English Edition Apple Computer Mac OS X 10.1 or later Japanese Edition (For Mac OS X 10.0 Japanese Edition, plug and play does not work appropriately)

Furnished Accessories

3 m (9.8 ft) USB Cable
Padded Zipper Pouch

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