

UNIDIRECTIONAL DYNAMIC MICROPHONES



GENERAL

The Models 517SA and 517SB are unidirectional dynamic microphones with Shure-tested and -proved reliability and durability. These microphones are suitable for speech or music pickup in schools, churches, and meeting rooms, and for sound reinforcement, broadcast, or recording of small musical groups.

Microphone features:

- Wide frequency response range for faithful, intelligible, and natural pickup of voice or music
- Symmetrical cardioid pickup pattern minimizes feedback
- Rolled-off low-frequency response reduces proximity effect (response rise from microphones used closeup)
- Shock-mounted cartridge for quiet operation, low stand or handling noise
- Slip-in swivel adapter for easy positioning and for simple handheld or standmounted use
- Lockable On-Off switch
- Three-pin professional audio connector, the industry standard, for maximum interchangeability of cables
- Available either low impedance (517SB) or high impedance (517SA) to suit amplifier or recorder inputs
- Field serviceable and backed by the Shure guarantee
- Good looking, durable, and economical

VARIATIONS

Model 517SA: High impedance, supplied with 6.1m (20 ft) cable with microphone connector only.

Model 517SA-LC: High impedance, supplied without cable.

Model 517SB: Low impedance, supplied with 6.1m (20 ft) cable with microphone connector only.

Model 517SB-LC: Low impedance, supplied without cable.

CABLE RECOMMENDATIONS (-LC MODELS)

To connect either the 517SA-LC or 517SB-LC to an amplifier with a standard 1/4-inch phone jack input, use the Shure Model C20A cable. To connect the 517SB-LC to an amplifier with a professional three-socket connector, use the Shure Model C25B or C25F cable.

All are high-quality, low-noise, flexible cables, especially designed for microphone use. The C20A is 6.1m (20 ft) long with a single shielded conductor. The C25B and C25F are 7.6m (25 ft) with two shielded conductors.

NOTE: Since the 517SA-LC is a high-impedance microphone, the total cable length should be limited to 6.1m (20 ft).



SINGLE-CONDUCTOR CABLE



TWO-CONDUCTOR CABLE
TYPICAL CABLE WIRING

FIGURE 1

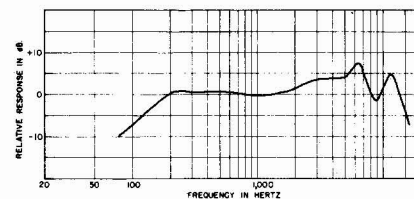
SPECIFICATIONS

Type

Dynamic

Frequency Response

80 to 13,000 Hz (see Figure 2)

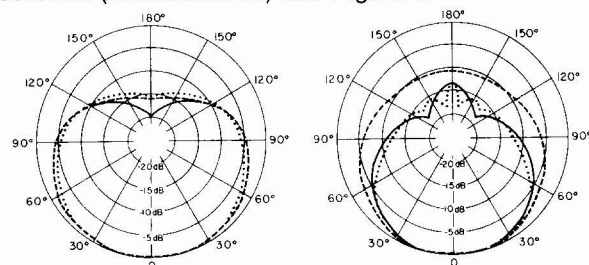


TYPICAL FREQUENCY RESPONSE

FIGURE 2

Polar Pattern

Cardioid (unidirectional) See Figure 3



--- 160 HZ
 — 400 HZ
 1000 HZ
 --- 2500 HZ
 — 6300 HZ
 10000 HZ

TYPICAL POLAR PATTERNS

FIGURE 3

Impedance

517SA: rated "High"
517SB: rated 150 ohms (Low)

Output Level (at 1,000 Hz)

	<u>517SA</u>	<u>517SB</u>
Open Circuit Voltage*.....	-59.0 dB	-82.5 dB
*0 dB = 1V/ μ bar	(1.1 mV)	(.07 mV)
Power Level**		-61.0 dB
**0 dB = 1 mW/10 μ bar		

Switch

Built-in On-Off switch with lockplate. To lock switch in On position, remove screw on lockplate and turn lockplate 180°. Reassemble and tighten screw.

Swivel Adapter

Adjustable from vertical to horizontal, for 5/8"-27 stand thread

Case

Dark brown die casting with black ARMO-DUR® grille and stainless steel screen

Dimensions

160 mm (6-5/16 in.) long X 37.5 mm (1-15/32 in.) dia.

Net Weight

312 grams (11 oz)

FURNISHED ACCESSORY

Swivel Adapter A25B

OPTIONAL ACCESSORIES

Windscreen A1WS
Cable (Single Conductor with Phone Plug) C20A
Cable (Two-Conductor Balanced with 3-pin Connectors) C25B or C25F

REPLACEMENT PARTS

Cartridge R15
Screen and Grille Assembly RK54G
Cable (517SA) 90A3761
Cable (517SB) C20D

GUARANTEE

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

SHIPPING INSTRUCTIONS

Carefully repack the unit, insure it, and return it prepaid to:

Shure Brothers Incorporated
Attention: Service Department
222 Hartrey Avenue
Evanston, Illinois 60204

If outside the United States, return the unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.