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).

SPECIFICATIONS

Type: Dynamic
Frequency Response: 80 to 13,000 Hz (see Figure 2)

Polar Pattern: Cardioid (unidirectional) See Figure 3
Impedance
517SA: rated “High”
517SB: rated 150 ohms (Low)

Output Level (at 1,000 Hz)
<table>
<thead>
<tr>
<th></th>
<th>517SA</th>
<th>517SB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Circuit Voltage*</td>
<td>-59.0 dB</td>
<td>-82.5 dB</td>
</tr>
<tr>
<td>0 dB = 1 V/μbar</td>
<td>(1.1 mV)</td>
<td>(.07 mV)</td>
</tr>
<tr>
<td>Power Level**</td>
<td>-61.0 dB</td>
<td></td>
</tr>
<tr>
<td>0 dB = 1 mW/10 μbar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.