

UNIDIRECTIONAL DYNAMIC MICROPHONES



GENERAL

The Models 518SA and 518SB are unidirectional dynamic microphones with a ball-type grille that is an effective pop filter. The grille minimizes wind and breath noise as well as popping (from sounds like b's and p's) when the microphone is used close to the mouth. Both microphones are equipped with an improved internal shock mount that considerably reduces pickup of mechanical and handling noise.

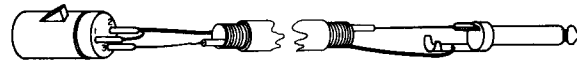
Shure-tested and -proved reliability and durability makes these microphones ideal for speech or music pickup in schools, churches, and meeting rooms, and for sound reinforcement, broadcast, or recording of small musical groups.

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)
- Ball-type pop-filter minimizes breath popping and wind noise
- Shure-designed, improved cartridge shock mount for quiet operation, low stand or handling noise
- Slip-in swivel adapter supplied for simplicity of use either handheld or stand mounted
- Lockable On-Off switch
- Three-pin professional audio connector, the industry standard, for maximum interchangeability of cables
- Available either low impedance, Model 518SB, or high impedance, Model 518SA, to suit amplifier or recorder inputs
- Field serviceable and backed by the Shure guarantee
- Handsome, durable, and economical

CABLE RECOMMENDATIONS

To connect either the 518SA or 518SB to an amplifier with a standard 1/4-inch phone jack input, use the Shure Model C20A cable. To connect the 518SB to an amplifier with a professional three-socket connector, use the Shure Model C25B, C25E, or C25F cable.



SINGLE-CONDUCTOR CABLE



TWO-CONDUCTOR CABLE
TYPICAL CABLE WIRING

FIGURE 1

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, C25E, and C25F are 7.5m (25 ft) with two shielded conductors. The C25B is rubber jacketed with a black finish microphone connector; the C25E has a black TRIPLE-FLEX® jacket and black finish microphone connector; The C25F has a gray TRIPLE-FLEX® jacket and a silver-finish microphone connector. All cables have a silver-finish equipment connector.

NOTE: Because the 518SA is a high impedance microphone, the total cable length should be limited to 6.1m (20 ft).

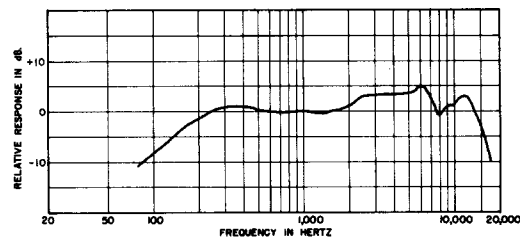
SPECIFICATIONS

Type

Dynamic

Frequency Response

80 to 15,000 Hz (see Figure 2)

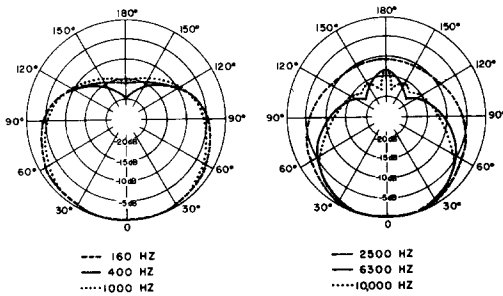


TYPICAL FREQUENCY RESPONSE

FIGURE 2

Polar Pattern

Cardioid (unidirectional) See Figure 3



TYPICAL POLAR PATTERNS
FIGURE 3

Impedance

518SA: rated "High"
518SB: rated 150 ohms (Low)

Output Level (at 1,000 Hz)

	<u>518SA</u>	<u>518SB</u>
Open Circuit Voltage*	-59.5 dB	-82.0 dB
*0 dB = 1V/ μ bar	(1.1 mV)	(.08 mV)
Power Level**	-60.5 dB	
**0 dB = 1 mW/10 μ bar		

Switch

Built-in On-Off switch with lockplate. To lock switch On, 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 finish die casting and chrome-plated steel grille

Dimensions

164 mm (6-7/16 in.) long X 54.1 mm (2-1/8 in.) dia.

Net Weight

340 grams (12 oz)

FURNISHED ACCESSORY

Swivel Adapter A25B

OPTIONAL ACCESSORIES

Windscreen.....A61WS Series
Cable, 6.1m (20 ft); Single-Conductor
with Phone Plug).....C20A
Cable, 7.6m (25 ft); Two-Conductor Balanced
with 3-pin Connectors
Rubber-Jacketed, black microphone connector.....C25B
TRIPLE-FLEX®, black microphone connector.....C25E
TRIPLE-FLEX®.....C25F

REPLACEMENT PARTS

Cartridge..... R8
Screen and Grille.....RK82G

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 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.