



**GENERAL**

The Shure Model 576 Dynamic Omnidirectional Microphone is a studio quality unit designed specifically in size and performance for use in TV, AM and FM broadcasting, and professional recording.

**Microphone Features:**

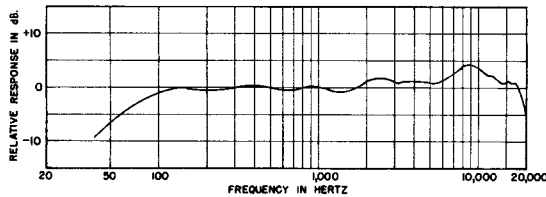
- Extended smooth frequency response from 40 to 20,000 Hz
- Slender design, lightweight
- Versatility—for use in the hand or on a stand—for use indoors or outdoors
- Dependability—under all operating conditions
- Ruggedness—will operate for years without deviation from original standards

The Model 576 meets the most exacting requirements for maximum quality and minimum size. The microphone is supplied with an adjustable swivel adapter, permitting the microphone to be tilted through 90° from vertical to horizontal.

**SPECIFICATIONS**

**Type**  
Dynamic

**Frequency Response**  
40 to 20,000 Hz (See Figure 1)



TYPICAL FREQUENCY RESPONSE  
**FIGURE 1**

**Polar Pattern**  
Omnidirectional

**Impedance**  
Dual. Microphone rating impedance is 38 ohms (48 ohms actual) and 150 ohms (235 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms. Wired for 150 ohms as supplied. See *Impedance Changing*.

**Output Level (at 1,000 Hz)**

	38 ohms	150 ohms
Open Circuit Voltage* . . . . .	-88.0 dB (.039 mV)	-82.5 dB (.074 mV)
Power Level** . . . . .	-61.0 dB	-62.0 dB

\*0 dB = 1 volt per microbar  
\*\*0 dB = 1 milliwatt per 10 microbars

**Cable**

Non-detachable 7.6m (25 ft) 3-conductor shielded, rubber jacketed.

**Swivel Adapter**

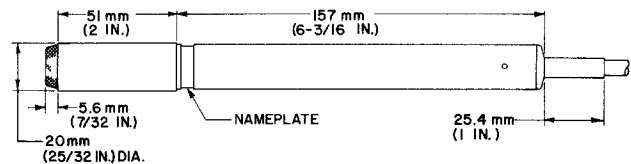
Snap-in, positive-action, adjustable from 0° to 90°, with standard 5/8"-27 thread.

**Case**

Non-reflecting gray finish with stainless steel grille.

**Dimensions**

See Figure 2.



OVERALL DIMENSIONS  
**FIGURE 2**

**Net Weight**

794 grams (1 lb 12 oz)

**Packaged Weight**

1.1 kilograms (2 lb 7 oz)

**IMPEDANCE CHANGING**

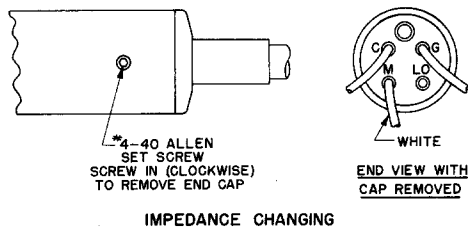
The impedance of the 576 may be changed to 38 ohms as follows (see Figures 3 and 4):

1. Insert Allen wrench (supplied) into hole at rear of case.
2. Turn screw inward (clockwise) three times minimum.

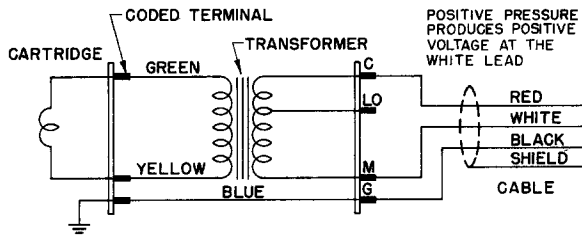
3. Remove wrench.
4. Remove end cap.
5. Disconnect white lead from pin marked "M" and attach to pin marked "LO."

**CAUTION:** When replacing the end cap, the leads should not obstruct the end of the tube passing through the terminal board.

6. Replace end cap. Align screw with hole in handle, and tighten screw with Allen wrench by turning screw outward (counterclockwise).



IMPEDANCE CHANGING  
**IMPEDANCE CHANGING**  
**FIGURE 3**



INTERNAL CONNECTIONS  
**FIGURE 4**

**ARCHITECTS' SPECIFICATIONS**

The microphone shall be the Shure Model 576 or equivalent. The microphone shall be a moving-coil (dynamic) type with a frequency response of 40 to 20,000 Hz. The unit shall have an omnidirectional horizontal polar characteristic. The microphone shall be dual impedance with impedances of 38 ohms and 150 ohms for connection to microphone inputs rated at 19 to 300 ohms.

The microphone output shall be:

- 38-ohm impedance ..... -61.0 dB
  - 150-ohm impedance ..... -62.0 dB
- (0 dB = 1 milliwatt per 10 microbars)

The microphone shall be provided with a swivel adapter adjustable through 90° from vertical to horizontal and a 7.6m (25 ft) three-conductor shielded cable.

The microphone swivel adapter will mount on a stand having a 5/8"-27 thread. The overall dimensions of the microphone shall be 214 mm (8-13/32") in length and 20 mm (25/32") in diameter.

**FURNISHED ACCESSORY**

Swivel Adapter .....A57D

**REPLACEMENT PARTS**

Dynamic Cartridge .....90A994\*  
 Screen and Grille Assembly .....RK91G

\*Includes RK91G.

**OPTIONAL ACCESSORIES**

Windscreen .....A2WS  
 Desk Stand .....S33B, S37A, S39A, S40A  
 Disconnect Adapter .....A45  
 Lavalier .....A57L  
 Carrying Case .....AC57  
 Line Matching Transformer .....A95 Series

**GUARANTEE**

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from the date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor.

**SHIPPING INSTRUCTIONS**

Carefully repack the unit and return it prepaid to the factory. 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.