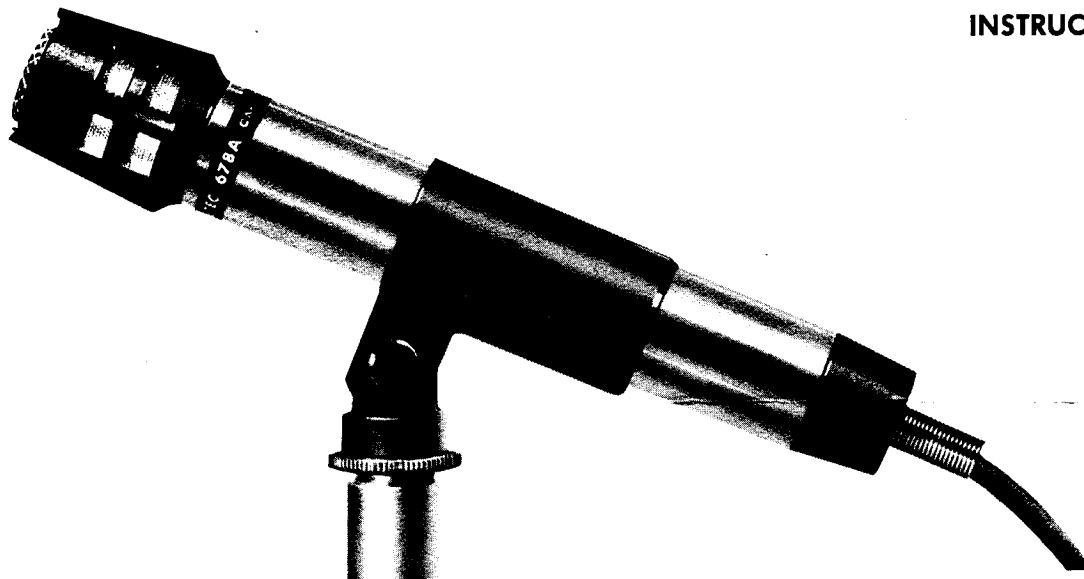


**ALTEC**
LANSING**674A, 675A
678A, 679A Microphones****OPERATING
INSTRUCTIONS****SPECIFICATIONS**

	678A and 679A Cardioid	674A and 675A Omnidirectional
Type:	Moving Coil Dynamic	Moving Coil Dynamic
Frequency Response:	50 to 14,000 cycles	50 to 14,000 cycles
Output Impedance:	150/250 ohms for the 678A 20,000 ohms for the 679A	150/250 ohms for the 674A 20,000 ohms for the 675A
Output Level:	— 58dbm/10dynes/cm ²	— 58dbm/10dynes/cm ²
Pickup Pattern:	Cardioid	Omnidirectional
Hum:	— 120 db (Ref.: 10 ⁻³ Gauss)	— 120 db (Ref.: 10 ⁻³ Gauss)
Dimensions:	1 $\frac{1}{32}$ " in diameter at top, 7 $\frac{1}{8}$ " long	1 $\frac{1}{32}$ " in diameter at top, 7 $\frac{1}{8}$ " long
Discrimination:	Average front to back, 15 db	Not Applicable
Weight:	4.5 ozs for 678A (not including cable or stand adapter) 4.75 ozs for 679A (not including cable or stand adapter)	4.1 ozs for 674A (not including cable or stand adapter) 4.3 ozs for 675A (not including cable or stand adapter)
Finish:	Black and Chrome	Black and Chrome
Mounting:	Separate "Slip-on" swivel adapter No. 40795 (black). Adapter has standard $\frac{5}{8}$ "-27 thread. Swivel mounting permits proper positioning of microphone on all stands. Microphone comes complete with 15 feet of 2-conductor shielded cable (100% shield).	Separate "Slip-on" swivel adapter No. 40795 (black). Adapter has standard $\frac{5}{8}$ "-27 thread. Swivel mounting permits proper positioning of the microphone on all stands. Microphone includes 15 feet of 2-conductor shielded cable (100% shield).
Accessories:	See "Microphone Accessories" sheet for floor stands, on-off switches, adapters, and other microphone accessories.	See "Microphone Accessories" sheet for floor stands, on-off switches, adapters, and other microphone accessories.

Should your microphone, through accidental damage, become inoperative it may be replaced by your ALTEC Distributor under an exchange plan or may be returned, transportation charges prepaid, for exchange. Service Manager: ALTEC LANSING, 1515 South Manchester Avenue, Anaheim, California



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1515 S. Manchester Ave., Anaheim, Calif.**40997-1****Price \$.10****New York****Litho in USA C/P 5/66**

DESCRIPTION

674A and 675A Omnidirectional Microphone

The 674A and 675A are omnidirectional microphones designed for general purpose applications. They are ideal units where directional sound pick-up is not a necessity, yet where extremely high quality is required. The high quality built into these microphones makes them a valuable addition to any paging, sound system, home recording, amateur, and all uses where good microphone reproduction is required. The engineering design benefits of the dynamic moving coil principle is incorporated into the units and includes a tangential compliance diaphragm heretofore found only in higher priced microphones. Altec's polyester diaphragm provides high resistance to shock and blast, and is not affected by commonly encountered corrosive fumes.

Both microphones have a sensitivity of $-58 \text{ dbm}/10 \text{ dynes/cm}^2$ and uniform frequency response from 50 to 14,000 cycles. The impedance of the 674A is 150/250 ohms. The impedance of the 675A is 20,000 ohms. Both microphones have a useable temperature range from -20 degrees to $+140$ degrees Fahrenheit.

678A and 679A Cardioid Microphones

The 678A and 679A are dynamic cardioid microphones using a polyester diaphragm with a tangential compliance configuration. The cardioid feature is a distinct advantage in many ways. In broadcasting or recording, it will appreciably reduce the pickup of unwanted audience noises or background noises from other sources tending to create feedback problems. The acoustical element is protected by a new polyester foam filter to prevent breath-blast. Both Cardioid Dynamic Microphones have a uniform frequency response from 50 to 14,000 cycles.

The 678A microphone has an output impedance of 150/250 ohms while the 679A has an output impedance of 20,000 ohms. The brushed chrome and black microphone housing is customized styled resulting in a slim cylindrical profile with minimum weight. A slip-on swivel adapter with standard $5/8 - 27$ thread is supplied to enable quick removal and replacement of the microphone on the stand. Also supplied is 15 feet of 2 conductor shielded (100% shield) cable.

MICROPHONE POSITIONING

A cardioid microphone's maximum sensitivity is on its frontal area and should be "aimed" at the source. It must be positioned as shown in Figure 2 for optimum results.

An omnidirectional microphone is sensitive to sound in a 360 degree spherical pattern. For optimum results, the microphone should be set in either of the positions indicated in Figure 2 and 3.

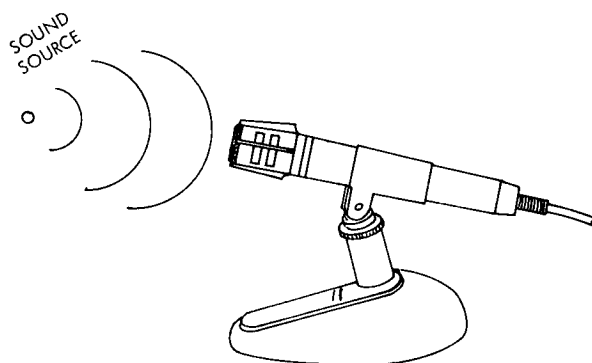


Figure 2: Horizontal Placement

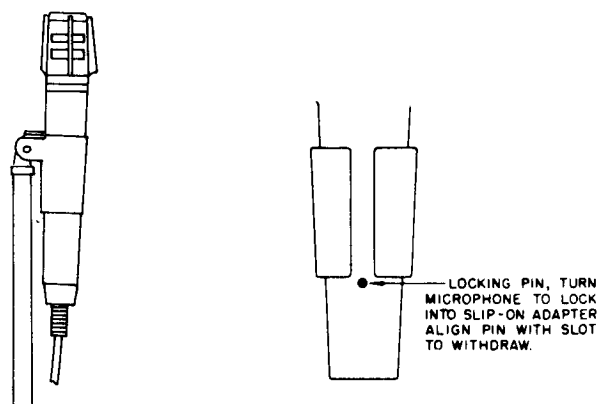


Figure 3: Vertical Placement

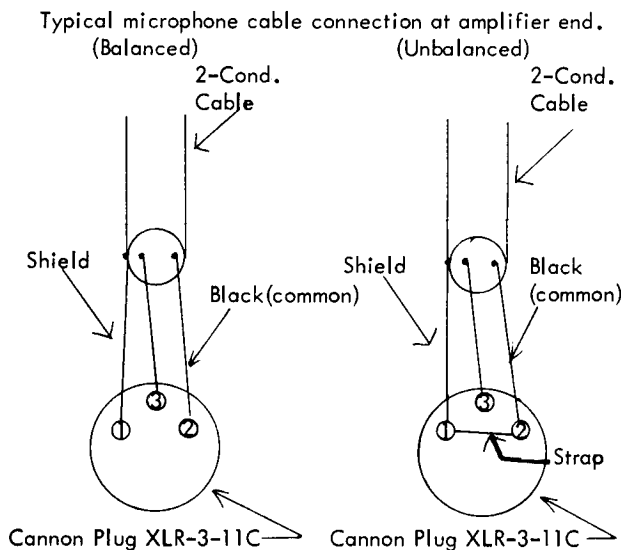


Figure 4: Typical Microphone Connection