

Features

Lavalier Type
Light Weight — Small Size
Extended Frequency Response
Special Altec Mylar® Diaphragm
Unaffected by Blast and Shock
Filter of Sintered Bronze
Dust and Moisture Proof
Rugged Construction Throughout
Neck Cord and Lapel Clip Furnished
"Non-Glare" Enamel Finish
Moderately Priced

PUBLIC SPEAKERS • ANNOUNCERS • BROADCASTING TELECASTING • HOME DEMONSTRATIONS

The new Altec model 686B Lavalier-type microphone is a miniature, dynamic unit with full frequency range, designed for those difficult applications necessitating microphone concealment, individual mobility, or freedom of hands and body. It has an integral snap-on neck cord and a steel spring clip for attachment to the speaker's clothing or may be hand-held, if desired.

Moderately priced, this microphone incorporates significant developments in styling and engineering. Attractive, small in size — the ultimate in reliability and performance. Equipped with Altec's *Golden Diaphragm* of rugged Mylar® polyester, the 686B exhibits exceptionally smooth response over a wide range of 70 to 20,000 cycles. This diaphragm is highly resistant to the effects of blast or shock and not affected to chemically corrosive atmospheres.

Another Altec Exclusive, a sintered bronze filter, provides even more extensive protection of the acoustical element by prohibiting the entrance of any foreign particles or moisture into the microphone proper.

The model 686B Lavalier-type microphone has been designed for consistent and dependable performance on a professional level. It is ideally suited for use in broadcasting, and telecasting, participation shows, public speaking, man-in-the-street interviews or home demonstrations. Finish is a dark green, non-glaring enamel allowing unrestricted use in the television studio.



A Division of  Ling Altec, Inc.

1515 S. Manchester Ave., Anaheim, Calif.
New York

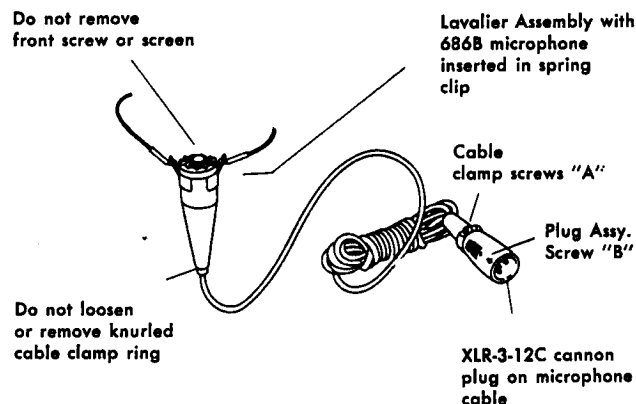
OPERATING INSTRUCTIONS

SPECIFICATIONS

Type:	Moving Coil Dynamic "Lavalier" Microphone
Frequency Response:	70 to 20,000 Hz used as a "Lavalier"
Output Impedance:	150/250 ohms
Output Level:	-55 dBm/10 dynes/cm ²
Pickup Pattern:	Omnidirectional
Hum:	-120 dB (Ref: 10 ⁻³ gauss)
Dimensions:	1 1/8" diameter at top tapered to 3/8" at cable entrance x 3 1/2" long
Weight:	3 oz. (not including cable and plug)
Finish:	Baked enamel, non-glare dark green
Mounting:	"Snap-On" Lavalier neck cord No. 40701-1. The microphone comes complete with 20-foot 2-conductor shielded cable and plug

Notes:

1. No connection changes should be attempted inside the microphone.
2. For unbalanced systems strap pin No. 1 to pin No. 2 at amplifier end of microphone cable.



MICROPHONE POSITIONING

Model 686B is a "Lavalier" type unit and is designed for use with the "neck cord" No. 40701-1.

Should your microphone, through accidental damage, become inoperative it may be replaced by your ALTEC Distributor under an exchange plan or it may be returned, transportation charges prepaid, for exchange to:

Service Manager
ALTEC LANSING
1515 S. Manchester Ave.
Anaheim, Calif. 92803

- Pin No. 1 — Ground (shield)
Pin No. 2 — Common (black)
Pin No. 3 — 150/250 ohms (white)

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The microphone shall be of the dynamic moving coil type having the following specifications. The microphone shall have a diaphragm of Mylar® with tangential compliance to provide full protection against extreme shock and blasts. The diaphragm shall withstand exposure to temperature variations from - 20 degrees F to 160 degrees F and shall not be susceptible to the effects of corrosive fumes. The microphone sound entrance shall be protected by a sintered bronze filter to prevent water, moisture, dust or ferrous particles from contaminating the acoustical element. The frequency response shall be uniform from 70 to 20,000 cps when used as a "Lavalier." The case shall be conical in shape and shall not measure more than 1 1/8" in diameter at the top, tapered to 3/8" at the cable entrance and shall be no longer than 3 1/2". The microphone shall be furnished with a snap-on lavalier neck cord and shall be complete with a 20 foot, 3 conductor rubber-covered shielded cable and plug. Microphones utilizing fabric-covered cable shall be deemed unacceptable. The output level shall be at least -55 dbm/10 dynes/cm² and the output impedance shall be 150/250 ohms. Provisions shall be available in the microphone cable plug for selecting the required impedance.

Any microphone not meeting all of these requirements shall be deemed unacceptable under these specifications.

This microphone shall be Altec Lansing Model 686B.

NOTICE

We recommend that you obtain your Altec products from factory trained authorized Altec Sound Contractors and Distributors. This will assure you of proper installation, a continuing source of knowledgeable advice, service, and quick warranty protection.