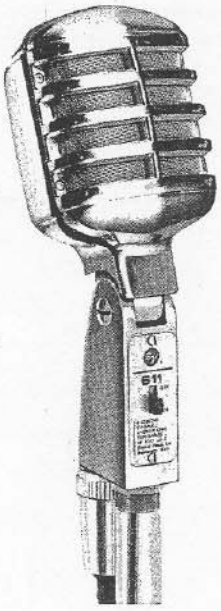
611 OMNIDIRECTIONAL DYNAMIC MICROPHONE



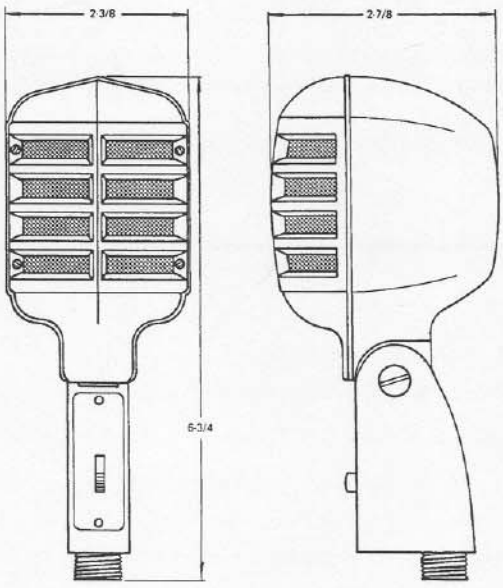


Figure 1 - Dimensions

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model 611 is a dynamic, omnidirectional microphone. This compact, sturdily designed microphone has excellent fidelity, high level, and pleasing appearance. It is ideal for music and speech pickup. The Model 611 was especially designed for public address work, all types of dispatching and paging systems, auditoriums, churches, hotels, theaters, amateur and general communications service.

The diaphragm in the Model 611 is constructed of nonmetallic Acoustalloy®, an exclusive feature of Electro-Voice dynamic microphones. It aids in providing smooth response over a wide frequency range. In addition, it is practically indestructible, withstands high humidity, extreme temperatures, corrosive effects of salt air, and severe mechanical shocks.

The Electro-Voice Model 611 is enclosed in a high quality, pressure-cast metal case of modern design with a tiltable head so that it may be directed at the sound source for selective pickup. Large bearing surfaces give smooth adjustment without the use of thumb nuts.

SPECIFICATIONS

Element	Dynamic
Frequency Response	50–9,000 Hz
Polar Pattern	Omnidirectional
Impedance	150 ohms and High Impedance selectable at cable connector. 150 ohm is balanced to ground
Output Level	150 ohm: −55 db 0 db = 1 mw/10 dynes/ cm²
	High Impedance: −55 db 0 db = 1 volt/dyne/ cm²
EIA Sensitivity Rating	−151 db (Hi-Z) −149 db (Lo-Z)
Diaphragm	Acoustalloy®
Case Material	Die cast zinc
Dimensions	2-3/8" w x 6¾" h x 2-7/8" d
Finish	Satin chrome
Net Weight	1½ lbs.
Switch	Sliding contact type short circuits head in OFF position.
Cable	15', 2-conductor
Cable Connector	Amphenol MC4M
Optional Accessories:	418, 418S, 418G desk stand

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an omnidirectional, dynamic type, with uniform frequency response from 50 to 9,000 Hz. The diaphragm shall be nonmetallic Acoustalloy®. It shall be possible to select 150 ohm and high impedance by moving one wire in the cable connector.

The output level for high impedance shall be −55 db with 0 db equalling 1 volt/dyne/cm^2. The output level for 150 ohms shall be −55 db with 0 db equalling 1 mw/10 dynes/cm^2. EIA sensitivity rating shall be −151 db for high impedance and −149 db for 150 ohms. Low impedance shall be balanced to ground.

The case shall be of die-cast zinc with satin chrome finish. The microphone shall have a maximum net weight (including cable) of 1½ pounds. A switch, integral with the stand mounting stud shall be provided for ON/OFF operation. It shall be so connected that microphone transducer element will be effectively short circuited in the OFF position. A four-position cable connector insert shall be provided in the base of the stand stud that will mate with the Electro-Voice QC-4M Quick Change Connector. A 15-foot, 2-conductor shielded broadcast type cable with Electro-Voice Model QC-4M Connector installed at the microphone end shall be provided. The Electro-Voice Model 611 is specified.

WARRANTY

Each Electro-Voice microphone is guaranteed for the life of the microphone to be free of factory defects in materials and workmanship and will, at our option, be repaired or replaced at no charge if exhibiting malfunction from this cause. Microphones for warranty repair must be shipped prepaid to Electro-Voice, Inc., or its authorized service agency. They will be returned prepaid. This warranty does not cover finish or appearance.

For correct shipping address and instructions on return of Electro-Voice products for repair and locations of authorized service agencies, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Mich. 49107 (Phone: 616/695-6831).

Electro-Voice also maintains complete facilities for non-warranty service.

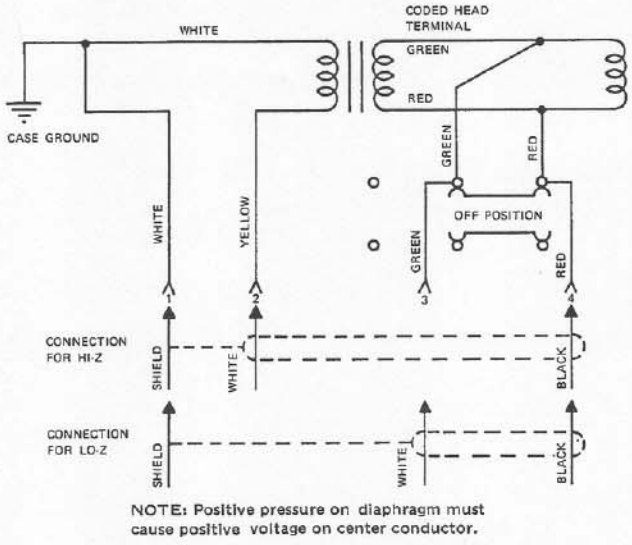


Figure 2 - Wiring Diagram

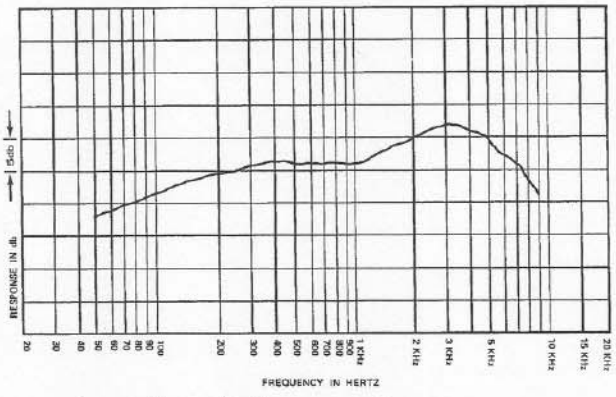


Figure 3 - Frequency Response

IMPEDANCE CHANGE PROCEDURE FOR E-V QUICK CHANGE CONNECTOR

For added convenience and flexibility, an Electro-Voice innovation, the QC-4M Quick Change Connector, is now supplied with your Model 611 microphone. Change from high impedance (Hi-Z) to low impedance (Lo-Z), or the reverse, can now be made quickly and easily without tools.

Figure 2 shows the basic internal wiring diagram of the E-V 611 microphone.

Note that moving white cable conductor from Pin 2 to Pin 3 converts the microphone from Hi-Z to Lo-Z.

To change impedance, proceed as follows:

1. Remove cable from microphone by turning the connector shell to left (counter clockwise) until free and then gently pull it away from the microphone.

2. Gripping the connector shell firmly in one hand and cable (near connector) in other hand, firmly push cable into shell so that molded plastic insert slips from shell. (See Figure 4)

3. Separate molded insert as shown in Figure 5.

4. Note that cable shield and conductors are connected to "slip in" pins. Shield pin is in hole 1 of alignment frame, and pin on black conductor is in hole 4. These should NOT be changed.

5. The pin connected to the white conductor of the cable should be inserted in hole 2, if high impedance operation is desired, or hole 3 if low impedance is desired. (See Figure 6)

6. Snap molded insert halves into position. (See Figures 4 and 5)

7. Firmly push connector shell back into position (reverse of Step 2). Pressure will be required, since these parts are designed to provide close fit.

8. Align connector guide pin with key slot in the microphone and slip connector into position.

Tighten connector shell by turning in clockwise direction.

Your E-V dual impedance microphone is now ready for operation in the impedance you have selected.

QC™-4M (A trademark of Electro-Voice)

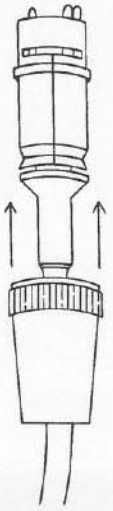


Figure 4

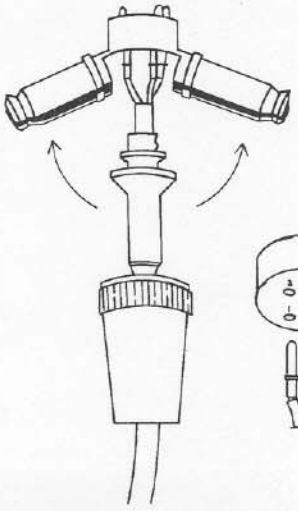


Figure 5

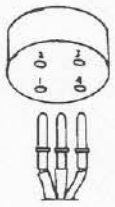


Figure 6