

Figure 1 - Frequency Response

DESCRIPTION

The Electro-Voice Model 624 microphone is a dynamic, omnidirectional type providing smooth response from 100 to 7,000 Hz. It is ideal for home recording, paging, public address, and amateur radio applications. The Model 624 may easily be used hand-held or as a lavalier microphone because of its small size and light weight. It is excellent for use wherever microphone concealment, individual mobility, or free movement of the hands is desired.

The microphone is equipped with a pop-proof wire mesh grille which minimizes wind and breath blasts. Supplied complete with combination neck cord and tie clip for microphone and 18-foot cable.

The Model 624 features the exclusive Electro-Voice Acoustalloy® diaphragm. This nonmetallic diaphragm permits smooth response over a wide frequency range and withstands high humidity, temperature extremes, corrosive effects of salt air and severe mechanical shocks. It is practically indestructible with normal use.

SPECIFICATIONS

Element:	Dynamic
Frequency Response:	100 to 7,000 Hz
Impedance:	High impedance or 150 ohms, Shipped Hi-Z, unless otherwise specified. 150 ohms not balanced to ground.
Output Level,	
High Impedance:	-56 db (0 db = 1 volt/dyne/cm ²)
150 ohm Impedance:	-58 db (0 db = 1 mw/10 dynes/cm ²)
EIA Sensitivity Rating,	
High Impedance:	-152 db
150 ohm Impedance:	-150 db

Polar Pattern:	Essentially omnidirectional, becoming directional with rise in frequency.
Diaphragm:	Electro-Voice Acoustalloy®
Case:	Pressure die cast
Magnetic Circuit:	Alnico V and Armco magnetic iron in a precision-ground, magnetic structure.
Finish:	Non-reflecting Gray
Accessories Included:	Neck Cord
Dimensions:	1-7/32" dia., 3-5/32" long.
Net Weight:	14 oz., including cable
Cable:	18', single-conductor, shielded, plastic jacketed.

WARRANTY (Limited) - Electro-Voice General Purpose Microphones are guaranteed without time limit against malfunction in the acoustic system due to defects in workmanship and materials. (Any active electronics incorporated in a microphone is guaranteed for three years from date of original purchase against such malfunction.) If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish, appearance items, cables, cable connectors, or switches and does not cover malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

For repair information and service locations, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831) or 7473 Avenue 304, Visalia, CA 93277 (209/625-1330,-1).

Electro-Voice also maintains complete facilities for non-warranty service of E-V products.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice Model 624 or equivalent. The microphone shall be an omnidirectional, dynamic type with wide-range, uniform response from 100 to 7,000 Hz. The diaphragm shall be nonmetallic Acoustalloy and shall have a magnetic shield to prevent dust and iron particles from reaching the diaphragm. The available impedances shall be Hi-Z or 150 ohms. The line shall not be balanced to ground.

The output level for 150 ohms shall be -58 db with 0 db equalling 1 mw/10 dynes/cm²; EIA sensitivity rating, -150 ohms. Hi-Z impedance shall be -56 db with 0 db equalling 1 volt/dyne/cm²; EIA sensitivity rating, -152 db. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and Armco magnetic iron. The case shall be made of pressure cast zinc. The microphone shall have a diameter of 1-7/32", and a weight of 14 ounces with cable. Finish shall be non-reflecting gray. An 18', single conductor, shielded, plastic jacketed cable shall be provided.

The Electro-Voice Model 624 is specified.

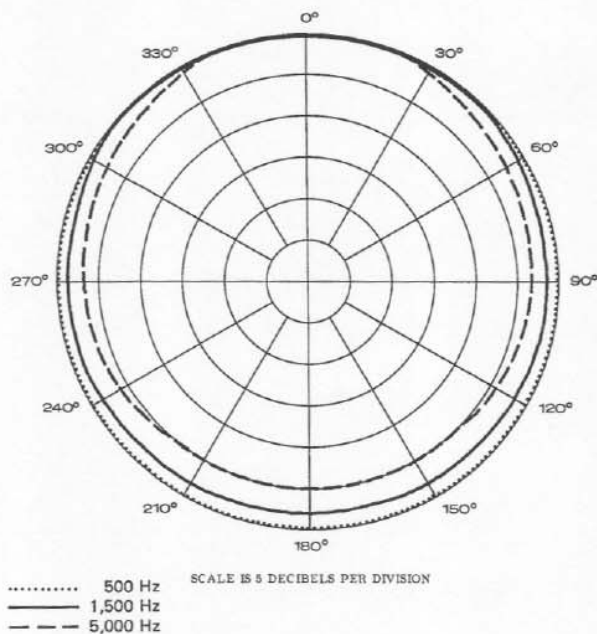


Figure 2 – Polar Pattern

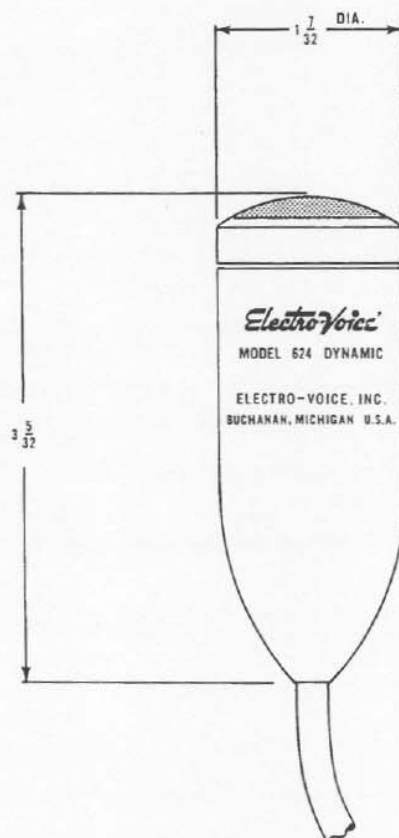


Figure 3 – Dimensional Drawing

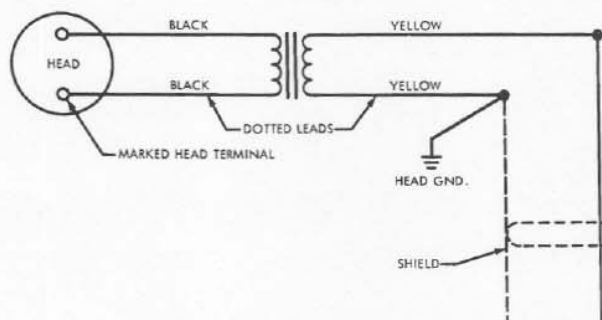


Figure 4 – Wiring Diagram