

Electro-Voice®

ELECTRO-VOICE, INC.
BUCHANAN, MICHIGAN



Specifications

Model 635 Microphone

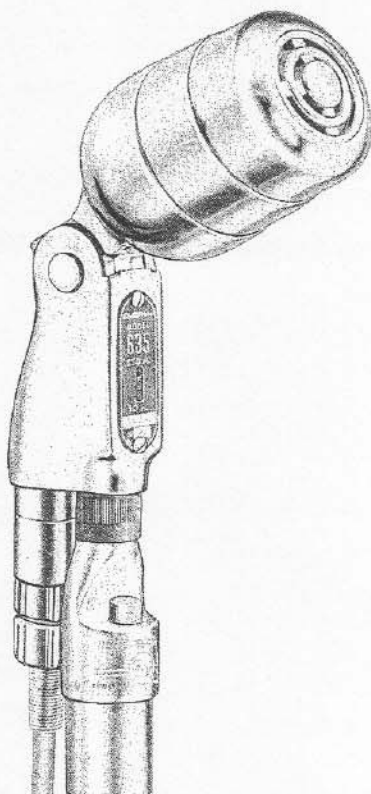


Fig. 1 — Model 635 Microphone

The Electro-Voice Model 635 Microphone is a dynamic, omnidirectional type designed for general broadcast and TV applications, studio, remote, recording, audience participation, and applause pickup. It is excellent for both music and speech.

Microphone may be mounted on a floor or desk stand and tilted through a 90° arc toward sound source. It can also be held in the hand.

The Model 635 features the exclusive Electro-Voice Acoustalloy diaphragm. This nonmetallic diaphragm permits smoother response over a wider 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

Type: Dynamic

Frequency Response: Uniform from 60 to 13,000 cps. with rise in frequency. See fig. 2.

Impedance: Recessed switch in microphone stud permits quick, easy selection of 50 or 250 ohms. Line balanced to ground and phased.

Output Level:

50-ohms impedance: -55 db*; RETMA sensitivity rating, -148 db

250-ohms impedance: -55 db*; RETMA sensitivity rating, -147 db

*0 db = 1 mw/10 dynes/cm²

Polar Pattern: Essentially omnidirectional, becoming directional with rise in frequency. See fig. 3.

Diaphragm: Electro-Voice Acoustalloy

Magnetic Circuit: Employs Alnico V and Armco magnetic iron in a nonwelded circuit

Case: Pressure cast zinc

Finish: Satin chrome or nonreflecting gray

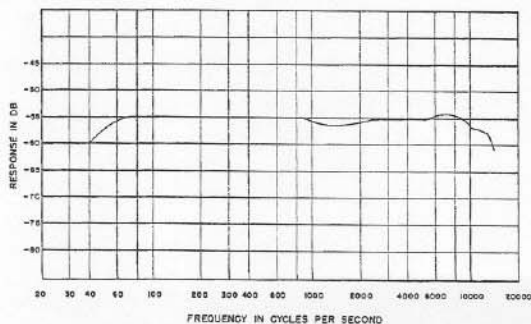
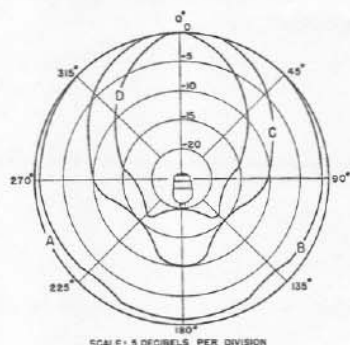


Fig. 2 — Response

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A — 500 cps C — 5,000 cps
B — 1,500 cps D — 10,000 cps

Fig. 3 — Polar Pattern

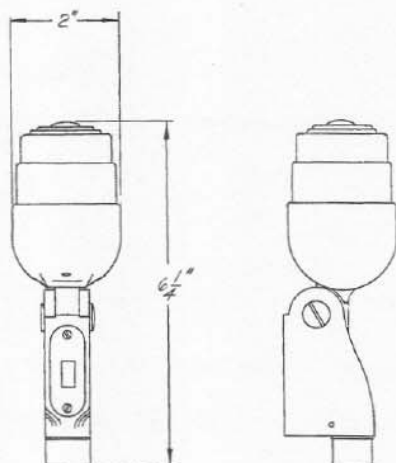


Fig. 4 — Dimensions

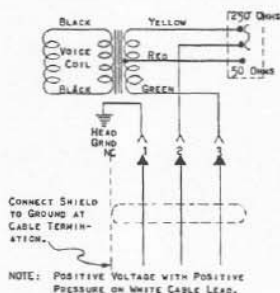


Fig. 5 — Wiring Diagram

Dimensions:

Diameter: 2 in.

Length: 6 1/4 in.

See fig. 4.

Net Weight: 1 lb.

Cable: 18-ft, three-conductor, shielded, neoprene jacketed, broadcast type.

Cable Connector: XL-3-11 Cannon, locking, three-contact wiping type built into the microphone. Permits tilting microphone toward sound source without strain on connector or cable.

Stand Coupler: 5/8 in.—27 thread

Optional Accessories:

Electro-Voice Model 345 Shock Mount

Warranty: The Electro-Voice Model 635 Microphone is guaranteed against defects in workmanship and material.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be the Electro-Voice 635 or equivalent. The microphone shall be an omnidirectional, dynamic type with a uniform frequency response from 60 to 13,000 cps. The diaphragm shall be nonmetallic Acoustalloy and shall have a magnetic shield to prevent dust and iron particles from reaching the diaphragm. The available impedance shall be 50 or 250 ohms. It shall be possible to select either impedance by means of a recessed switch in the microphone stud. Line shall be balanced to ground and phased.

The output level shall be -55 db with 0 db equalling 1 mw/10 dynes/cm². RETMA sensitivity rating shall be -148 db for 50-ohm impedance and -147 db for 250-ohm impedance. 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 2 in., a length including the stud of 6-1/4 in., and a weight of 1 lb., less cable. Finish of the microphone shall be satin chrome.* An 18-ft, three-conductor, shielded, neoprene jacketed, broadcast-type cable shall be provided. The microphone shall have a built-in three-contact, wiping-type cable connector. It shall be possible to tilt the microphone through a 90-degree arc.

The microphone shall include a stand coupler with a 5/8 in.—27 thread to permit use with a shock mount such as the Electro-Voice Model 345, a floor or desk stand.

*Nonreflecting gray finish may be specified instead of satin chrome, if desired.