

Electro-Voice®
a MARK IV company

Model PL88 Dynamic Cardioid Vocal Microphone

SPECIFICATIONS

Generating Element:
Dynamic

Frequency Response (see Figure 3):
60 to 13,000 Hz

Polar Pattern:
See Figure 1

Impedance (must be specified),

PL88L:
150 ohms, balanced

PL88H:
25,000 ohms, balanced

Output Level,

PL88L:
-58 dB
(0 dB = 1 mW/10 dynes/cm²)

PL88H:
-57 dB
(0 dB = 1 volt/dyne/cm²)

Switch:

On/off

Pop Filter:

Built in Acoustifoam™

Grille Screen Material:

Woven steel

Case Material:

Die-cast zinc

Dimensions:

178 mm (7.0 in.) long
51 mm (2.05 in.) maximum diameter

Net Weight:

293 g (10.4 ounces)

Finish:

Snow gray body with contrasting charcoal grille

Accessories Included:

358 stand adapter
Vinyl carrying case

Optional Accessories:

376 windscreen
380 attenuator
PLC-25-T 25 ft professional cable
w/A3F type connector at
mike end
PLC-25-X 25 ft professional cable
w/A3F & A3M type connectors
PLC-25-P 25 ft professional cable
w/A3F & phone plug type
connectors
541 25 ft premium long life cable
w/A3F type connector at
mike end
542 25 ft premium long life cable
w/A3F & A3M type connectors
544 50 ft premium long life cable
w/A3F & A3M type connectors

DESCRIPTION AND APPLICATIONS

The Electro-Voice PL88 is a Single-D dynamic cardioid microphone designed primarily for use by the vocal entertainer. When used close up, the PL88 exhibits the proper amount of bass boost (proximity effect) that vocalists really like. The high-frequency performance of the PL88 has been specially shaped for a clean, open sound that cuts through. The cardioid directional characteristic resists feedback when working close to sound reinforcement speakers and monitors. A built-in Acoustifoam™ blast filter enables close talking or singing without worry of "P-popping" or other excessive breath and sibilant noise. An effective shock mount keeps handling noise to a minimum. The PL88 features a rugged die-cast zinc case.

USING THE VARIABLE LOW-FREQUENCY RESPONSE (PROXIMITY EFFECT)

The PL88's low-frequency response varies with the distance from the sound source to the microphone as shown in Figure 3. Maximum bass response is produced in close-up use with the microphone 1/4-inch from the sound source. Minimum bass response is experienced at distances greater than 24 inches.

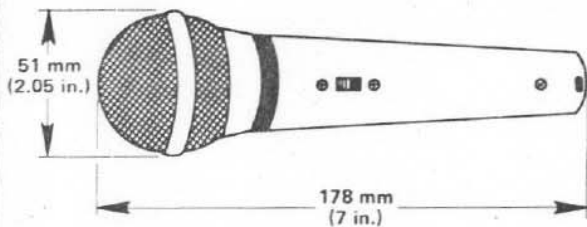


FIGURE 1 —
Dimensions

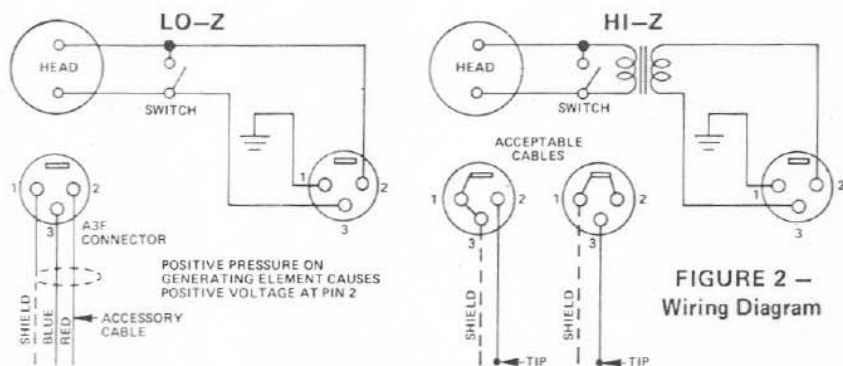


FIGURE 2 —
Wiring Diagram

NOTE: The PL88H is wired in a "balanced configuration" to allow its use on cables wired to establish either pin 2 or pin 3 as the "Hot" lead. If pin 2 is selected as the "hot" lead, pin 3 must be grounded in the cable assembly. Conversely, if pin 3 is the "hot" lead then pin 2 must be grounded.

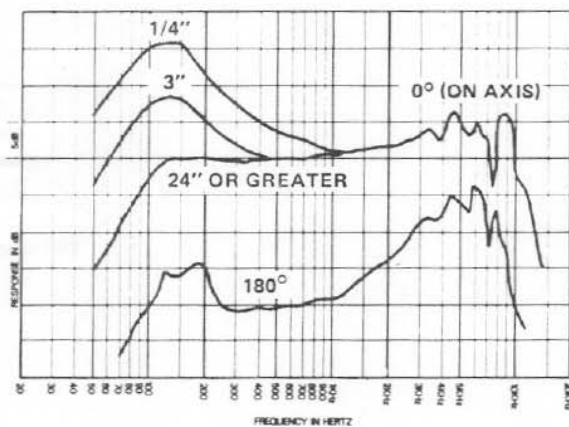


FIGURE 3 —
Frequency Response

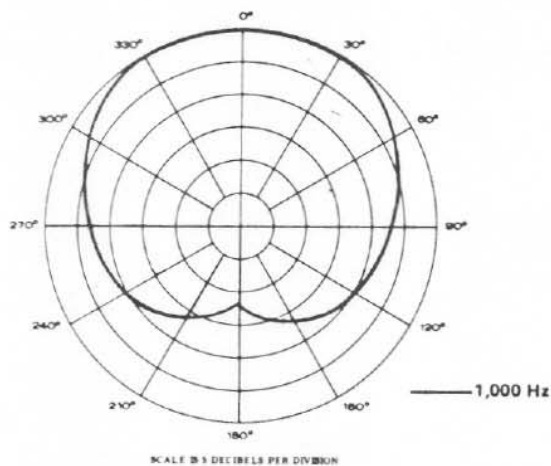


FIGURE 4 —
Polar Response

Useful special effects can be created by an imaginative application of the PL88's proximity effect:

1. By working closer to the microphone, the human voice will sound more robust.
2. Working close to the PL88 provides a reduced tendency to PA system feedback, over and above that provided by the cardioid directional characteristic alone. When close-talked, the substantial bass boost provides an increase in overall microphone output level. The mixer gain may be proportionately reduced, resulting in a reduction of the system's sensitivity to feedback caused by sound entering the microphone from the distant loudspeakers.
3. For musical instrument pickup, the variable bass response can be utilized to achieve a "clean" bass pickup at a distance of 24 inches or more. By moving the PL88 to a few inches from the instrument, bass will be increased.

WARRANTY (Limited)

Electro-Voice Professional, PL & BK Series Microphones (excluding the Model PL88)* are guaranteed against malfunction from any cause for a period of two years from date of original purchase. Also, these microphones (excluding the Model PL88)* are guaranteed without time limit against malfunction in the acoustic system due to defects in workmanship and material. Any active electronics incorporated in the microphone are guaranteed for three years from date of original purchase for parts and labor 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 extend to finish, appearance items, cables, cable connectors, switches, or malfunction due to abuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Electro-Voice or its authorized warranty service agencies will void this guarantee. A list of authorized warranty service centers is available from Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107 (AC/616-695-6831); Electro-Voice, Inc., 3810 148th Avenue, N.E., Redmond, WA 98052 (AC/206-881-9555) and/or Electro-Voice West, 8234 Doe Avenue, Visalia, CA 93291 (AC/209-651-7777). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

*The Model PL88 is guaranteed for two years from date of original purchase against malfunction due to defects in workmanship and materials.

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107.

Specifications subject to change without notice.



ELECTRO-VOICE, INC., 600 Cecil Street, Buchanan, Michigan 49107

MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ REDMOND, WA ■ GANANOQUE, ONT
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