



A/N684

Directional Dynamic Vocal Microphone

- Elastomeric shockmount for low mechanical noise
- Extended response for accurate, life-like sound quality
- Uniform cardioid pattern for low off-axis coloration and high resistance to feedback
- On/off switch positioned on the ergonomically designed handle allows convenient muting control
- Electro-Voice exclusive Warm-Grip™ handle

Description

The Electro-Voice A/N684 is a Single-D directional dynamic microphone, designed primarily for use by the vocal entertainer. However, the A/N684 is equally at home when used as a sampling microphone or video recording microphone.

For vocal applications where the microphone is used close up, the A/N684 exhibits bass boost (proximity effect) that vocalists appreciate. The high-frequency performance of the A/N684 has been especially shaped for clean, clear, open sound that cuts through background sound. The low-frequency bass boost with high frequency response shaping creates a natural sounding microphone.

The directional polar characteristics offers resistance to feedback, which can occur when working close to sound reinforcement speakers and monitors. A built-in blast filter enables close talking or singing without worry of "P-popping" or other excessive breath and sibilant noise.

The dynamic element is attached to an elastomeric shockmount which reduces mechanical noise produced by handling or stand induced vibration.

Operation

The A/N684's low-frequency response varies with the distance from the sound source to the microphone. Maximum bass response is produced in close-up use with the microphone 1/4-inch from the source. Minimal bass response is experienced at distances greater than 24 inches. By working closer to the microphone, the human voice will sound more robust.

Working the microphone close will also further reduce the tendency for feedback in a PA sound system—over and above that provided by the A/N684's directional polar characteristic. 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.

The A/N684 is equipped with an on/off switch that shorts the microphone element when set to the off position, permitting the user to have local muting control.

The A/N684's dynamic element ensures years of trouble-free operation, even when operated in extremes of humidity and temperature that

would render typical condenser microphones useless.

Limited Warranty

Electro-Voice products are guaranteed against malfunction due to defects in materials or workmanship for a specified period, as noted in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product will be returned to the customer prepaid. **Exclusions and Limitations:** The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual; (c) malfunction resulting from use or operation of the product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than Electro-Voice Service or any of its authorized service repre-

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sentatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to Electro-Voice Service or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. A list of authorized service representatives is available from Electro-Voice Service at 600 Cecil Street, Buchanan, MI 49107 (800/234-6831 or FAX 616/695-4743). **Incidental and Consequential Damages Excluded:** Product repair or replacement and return to the customer are the only remedies provided to the customer. Electro-Voice shall not be liable for any incidental or consequential damages including, without limitation, injury to per-

sons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. **Other Rights:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Electro-Voice Wired Microphones are guaranteed against malfunction from any cause for two (2) years from the date of original purchase. In addition, the Limited Warranty for the acoustic system contained in these microphones shall apply for the life of the product, defined as a period of ten (10) years from the date that the manufacture of the specific microphone has been

discontinued. Any and all active electronics incorporated in these microphones are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. The Limited Warranty does not extend to cables, cable connectors, or switches. Additional details are included in the Uniform Limited Warranty statement.

For warranty repair or service information, contact the service repair department at: 616/695-6831 or 800/685-2606.

For technical assistance, contact Technical Support at 800/234-6831 or 616/695-6831, M-F, 8:00 a.m. to 5:00 p.m. Eastern Standard Time.

Specifications subject to change without

Figure 1—Frequency Response

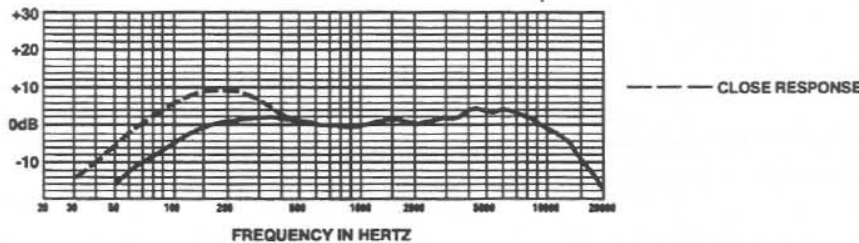
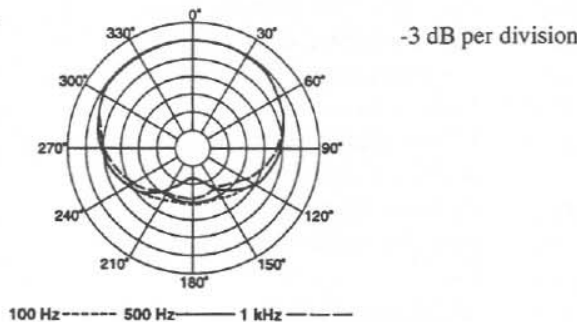


Figure 2—Polar



Specifications

Frequency Response,

Close Response:
40-14,000 Hz

Far Response:
100-14,000 Hz

Polar Pattern:

Directional

Sensitivity at 1,000 Hz,

Open-Circuit Voltage:

2.15 mV/pascal

Power Level (0 dB = 1 mW/pascal):

-57 dB

Impedance:

600 ohms balanced (low-Z)

Switch:

On/off

Dimensions,

Length:
180.3 mm (7.10 in.)

Maximum Diameter:

50.8 mm (2.0 in.)

Net Weight:

303 g (10.7oz.)

Shipping Weight:

532.2 g (18.8 oz)

Optional Accessories:

Shielded cable with XLR-type connector at microphone end and 1/4-in phone plug at equipment end
379 windscreen

Electro-Voice®

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