



## 635N/D 635N/D-B

### Omnidirectional Dynamic Microphones

- Powerful Electro-Voice neodymium (N/DYM®) magnet results in greater output than with standard ferric magnets
- Rugged design
- Choose nonreflecting fawn beige or semigloss “camera” black
- Comes complete with stand adapter

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#### Description and Applications

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The Electro-Voice 635N/D and 635N/D-B dynamic omnidirectional microphones are offspring of the legendary 635A microphone. Built with the same rugged design of the 635A, the 635N/D and 635N/D-B offer a new neodymium N/DYM® magnet structure for greater sensitivity. Designed for increased ruggedness to meet the demands of exacting professional applications, the 635N/D's and 635N/D-B's are ideally suited for electronic news production (ENG), electronic field production (EFP), television, film and radio remotes and demanding PA applications.

The microphone's Acoustalloy® diaphragm permits a very smooth response over a wide frequency range, yet it withstands high humidity and temperature extremes, corrosive effects of salt air and severe mechanical shocks. The diaphragm is protected from dust and magnetic particles by a carefully designed integral windscreen and blast filter. The windscreen provides excellent protection from wind noise, excessive sibilance and annoying “P-popping.” This helps minimize the need for an external windscreen for outdoor use.

The 635N/D comes in nonreflecting fawn beige; the 635N/D-B comes in semigloss black for “on camera” use. The increased output level and low sensitivity to mechanical shock make the 635N/D and 635N/D-B excellent for interviews, sporting events, special effects and voice-overs.

Both microphones come with the 311 stand adapter.

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#### Architects' and Engineers' Specifications

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The microphone shall be an omnidirectional dynamic type with wide-range response uniform from 80 to 13,000 Hz. It shall have a nonmetallic diaphragm and an internal pop filter and magnetic shield to prevent dust and magnetic particles from reaching the diaphragm. The impedance shall be such that the microphone will match 50-, 150- and 250-ohm inputs. The line shall be balanced to ground and phased.

The output level shall be -51 dB with 0 dB equalling 1 mW/10 dynes/cm<sup>2</sup>. The magnetic circuit shall be nonwelded and employ a neodymium alloy magnet.

The microphone shall have a maximum diameter of 36 mm (1.42 in.), a length of

148 mm (5.84 in.) and a weight of 170 g (6 oz). Finish shall be nonreflecting fawn beige (635N/D) or semigloss black (635N/D-B). The microphone shall have a built-in XLR-type connector, and shall include a 5/8-in.-27-thread stand coupler.

The Electro-Voice 635N/D and 635N/D-B are specified.

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#### Limited Warranty

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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 from

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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 or any of its authorized service representatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to Electro-Voice 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 at 600 Cecil Street, Buchanan, MI 49107 (616/695-6831

or 800/234-6831). **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 persons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages enclosed. Electro-Voice active electronics associated with the speaker systems are guaranteed for three (3) years from the date of original purchase. Additional details are included in the Uniform Limited Warranty statement.

**Electro-Voice Electronics** are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. Additional details are included in the Uniform Limited Warranty statement.

For warranty repair, service information, or a listing of the repair facilities nearest you, 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 notice.

# 635N/D and 635N/D-B Omnidirectional Dynamic Microphones

Figure 1—Response Curve

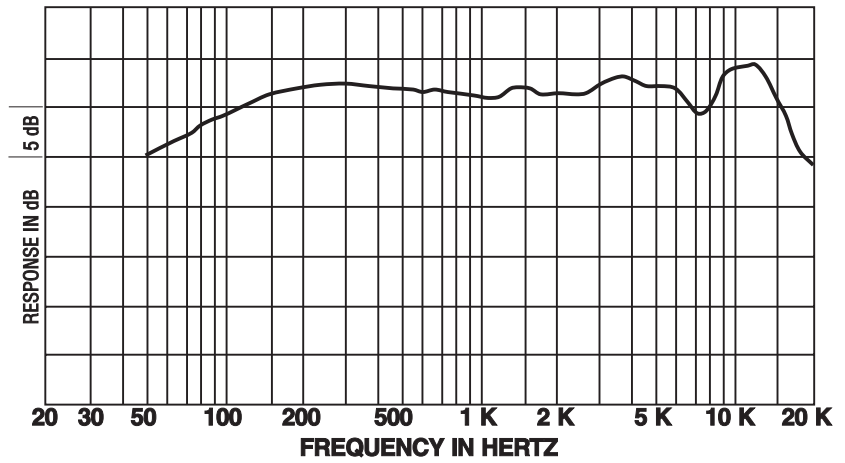


Figure 2—Wiring Diagram

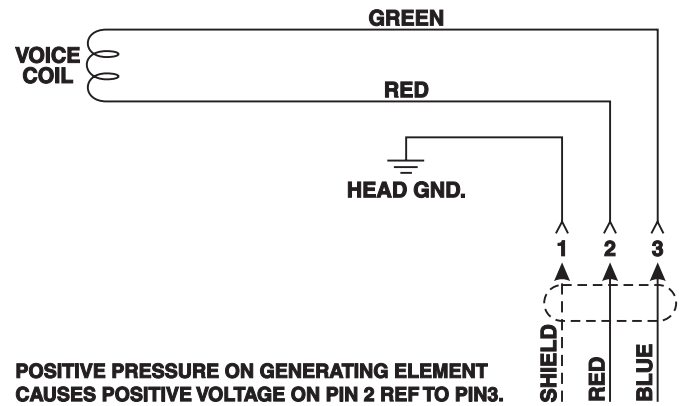
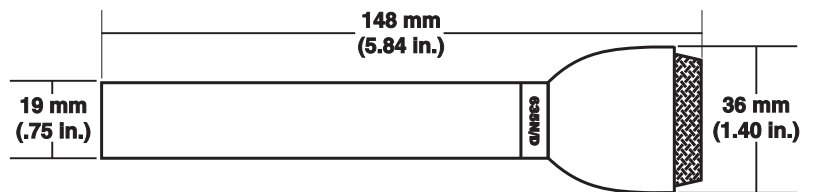


Figure 3—Dimensions



## 635N/D and 635N/D-B Omnidirectional Dynamic Microphones

### Specifications

**Generating Element:**

Dynamic

**Frequency Response (see Figure 1):**

80-13,000 Hz

**Polar Pattern:**

Omnidirectional

**Impedance (Low):**

150 ohms

**Sensitivity at 1 kHz, Open-Circuit****Voltage**

(0 dB = 1 mV/dyne/cm<sup>2</sup>):

2.0 mV

**Power Level (0 dB = 1 mW/10 dynes/cm<sup>2</sup>):****cm<sup>2</sup>):**

-51 dB

**Diaphragm Material:**

Acoustalloy®

**Magnetic Circuit:**

N/DYM® magnet in a nonwelded circuit

**Microphone Connector:**

3 pin, XLR-type, pin 2 positive

**Polarity (see Figure 2):**

Pin 2 positive, referenced to pin 3 with positive pressure on diaphragm

**Case Material:**

Steel

**Finish,**

**635N/D:** Fawn beige

**635N/D-B:** Semigloss “camera” black

**Accessory Included:**

311 stand adapter

**Optional Accessories:**

314E windscreen;

340 security clamp

**Dimensions, (see Figure 3),****Length:**

148 mm (5.84 in.)

**Maximum Diameter:**

36 mm (1.42 in.)

**Net Weight:**

170 g (6 oz)

**Shipping Weight:**

584 g (20.6 oz)

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# Electro-Voice®

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