



## N/D868

### N/DYM® Dynamic Cardioid Bass Drum Microphone

- Designed specifically for bass drums
- Extended low-frequency response
- Optimized sensitivity for high sound pressure levels (SPL's)
- Rugged, steel construction

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#### Description

The Electro-Voice N/D868 is a cardioid dynamic microphone designed for use with bass drums. Every aspect of its design is optimized for miking a bass drum in both live and recording applications. The frequency response is tailored to match the optimal post-processing usually applied to "flat" microphones when used in this application. This means that the N/D868 is a plug-in-and-hang-on product. You can use this microphone "as is" —no post processing needed. The microphone has a lower sensitivity than other products in the N/DYM® line to compensate for the high sound pressure levels (SPL's) present in bass drums, preventing distortion at the input of the mixer. A highly effective hum-bucking coil is also used to cancel hum interference from lighting and other power sources.

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#### Operation

The N/D868 offers an adaptation of the traditional heart-shaped cardioid polar response for maximum rejection at the rear of the microphone when used outside the drum. Optimum performance is realized when the microphone is placed inside the drum

approximately three inches from and pointed at the drum head. A common method for mounting a bass drum microphone is to place a pillow inside the drum with the microphone resting on the pillow. The pillow attenuates the low-mid frequencies of the drum, a desirable characteristic further enhanced by the N/D868's tailored response. Attack and "chest thump" can be varied by adjusting the microphone's distance from the front head and its position relative to the beater.

The N/D868 has an extended low-frequency response. When used with very large monitor systems, it may be necessary to roll off the low frequencies below 100 Hz on the monitors to prevent a "boomy" sound.

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#### Certified Performance

Every N/D868 is inspected by a quality control tester and subjected to a computer-controlled test system that verifies numerous performance parameters. After the performance meets or exceeds our rigorous standards, the actual measured frequency response is plotted on a "Certificate of Performance" and included with the microphone. Certified performance may vary from published "Average Response." This certificate

guaranties that each N/D868 will perform to exacting standards of the **100% quality assurance testing**, established by EV's design engineers.

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#### 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

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the product by anyone other than EVI Audio Service or any of its authorized service representatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to EVI Audio 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 EVI Audio Service at 600 Cecil -Street, Buchanan, MI 49107 (800/685-2606 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 persons 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 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.

# N/D868 Cardioid Bass Drum Microphone

Figure 1—Frequency Response (typical)

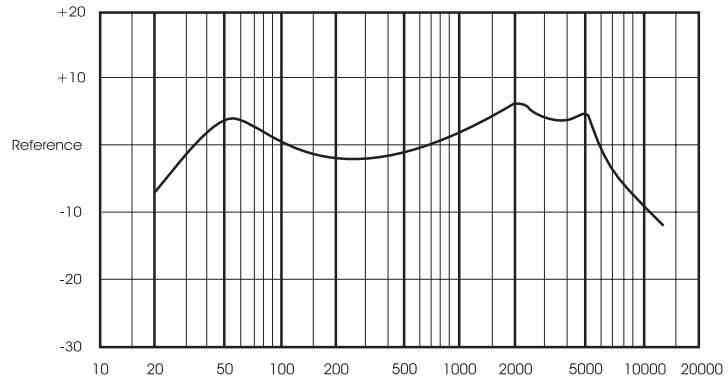


Figure 2—Polar Response (typical)

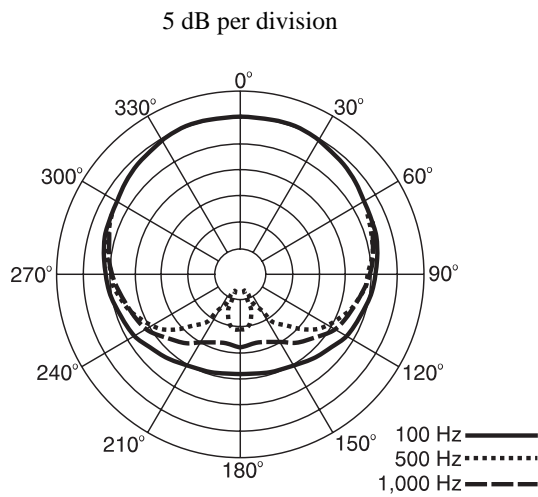
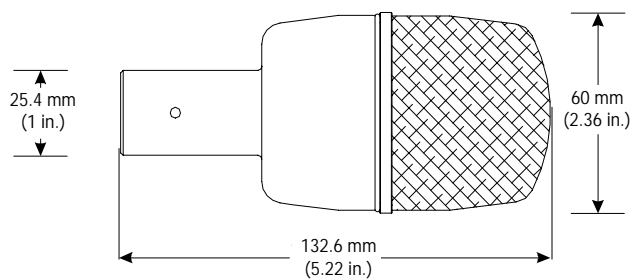


Figure 3—Dimensions



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## Specifications

### Frequency Response:

20-10,000 Hz

### Polar Pattern:

Cardioid variant

### Sensitivity,

#### Open Circuit Voltage @ 1 kHz:

1 mV/pascal

### Power Level @ 1 kHz:

-51.7 dB

(0 dB = 1 m W/pascal):

### Dynamic Range:

140.3 dB

### Equivalent Output Noise:

17 dB A weighted

(0 dB = 0.00002 pascal)

### Polarity:

Positive pressure on diaphragm causes positive voltage on pin 2 ref. pin 3

### Impedance:

150 ohms, balanced (low-Z)

### Materials,

#### Grille Screen:

Memraflex™

#### Finish:

Nonreflecting black

#### Case:

Steel

### Accessories Included:

320 stand clamp

Soft zippered "gig" bag

### Dimensions,

#### Length:

132.6 mm (5.22 in.)

#### Diameter:

60 mm (2.36 in.)

#### Shank:

25.4 mm (1.0 in.)

### Net Weight:

295 g (10.4 oz)

### Shipping Weight:

750 g (26.5 oz)

MADE IN USA

# Electro-Voice®

600 Cecil Street, Buchanan, MI 49107

616/695-6831, 616/695-1304 Fax

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