



# CARVIN CM68 Unidirectional Dynamic Microphone Instruction Manual

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# CARVIN

CARVIN ENGINEERING DATA

MODEL CM68  
INSTRUCTIONS



UNIDIRECTIONAL DYNAMIC  
MICROPHONE

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## CM68 Unidirectional Dynamic Microphone

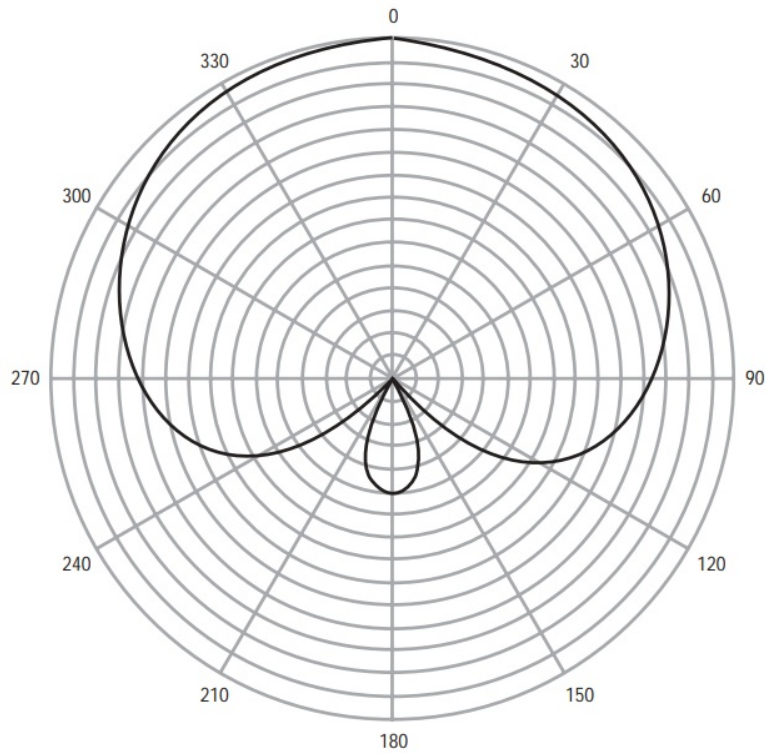
The Carvin CM68 is a rugged unidirectional microphone with a highly effective built-in wind and “pop” filter. The CM68 is Carvin’s finest hand held microphone designed for the vocalist requiring a tight, natural sound with crisp highs and strong bass without boominess. We recommend this microphone to performers who work close to their mics, where high volumes can be obtained without distortion or explosive breath “pop’s”. An excellent choice for club use, rock singers, or any vocalist requiring the best in vocal reproductions. Designed for high end studio recording and broadcast applications.

### Microphone Features:

- Bright, clean sound.
- Spherical filter to control explosive breath sounds (“pop”) and wind noise in outdoor locations.
- Wind and “pop” filter readily removable for cleaning or replacement.
- Effective cardioid pickup pattern to minimize background noise and undesirable effects of studio and location acoustics. Rear and side rejection uniform to very low frequencies and completely symmetrical about microphone axis.
- Versatility – designed for both stage and studio use.
- Cartridge shock-mounted for protection.
- Includes professional 20' XLR cable.

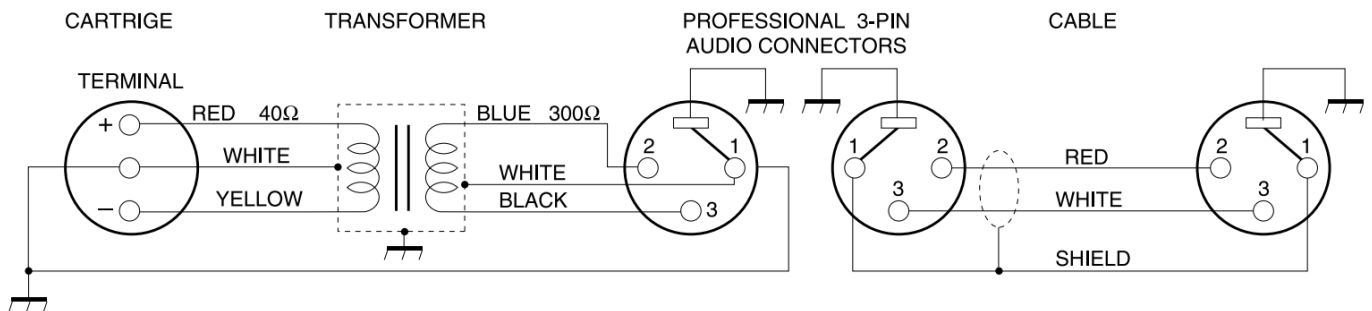
### Polar Pattern

Cardioid — rotationally symmetrical about microphone axis, uniform with frequency (see Figure 2)



TYPICAL POLAR PATTERNS FIGURE 2

## INTERNAL CONNECTIONS



## ARCHITECT'S SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type with a frequency response of 45 to 15,000 Hz. The unit shall have a cardioid polar characteristic. The cancellation at the sides shall be approximately 5 dB and the cancellation at the rear shall be 15 to 20 dB. The microphone shall have a rating impedance of 300 ohms designed for 600 ohms preamps

The microphone connector shall be a 3-pin professional audio type designed to mate with a XLR male connector. The microphone shall be provided with a swivel adapter adjustable through 90° from vertical to horizontal. The adapter will mount on a stand having a 5/8"-27 thread. The overall dimensions of the microphone shall be 5.125" (130 mm) in length and 2.080" (53 mm) in diameter.

## GUARANTEE

This Carvin product is guaranteed to be free from electrical and mechanical defects for a period of one year from date of purchase. Microphones dropped, misused or exposed to moisture are not covered under warranty. Please retain proof of purchase date. This guarantee includes parts and labor.

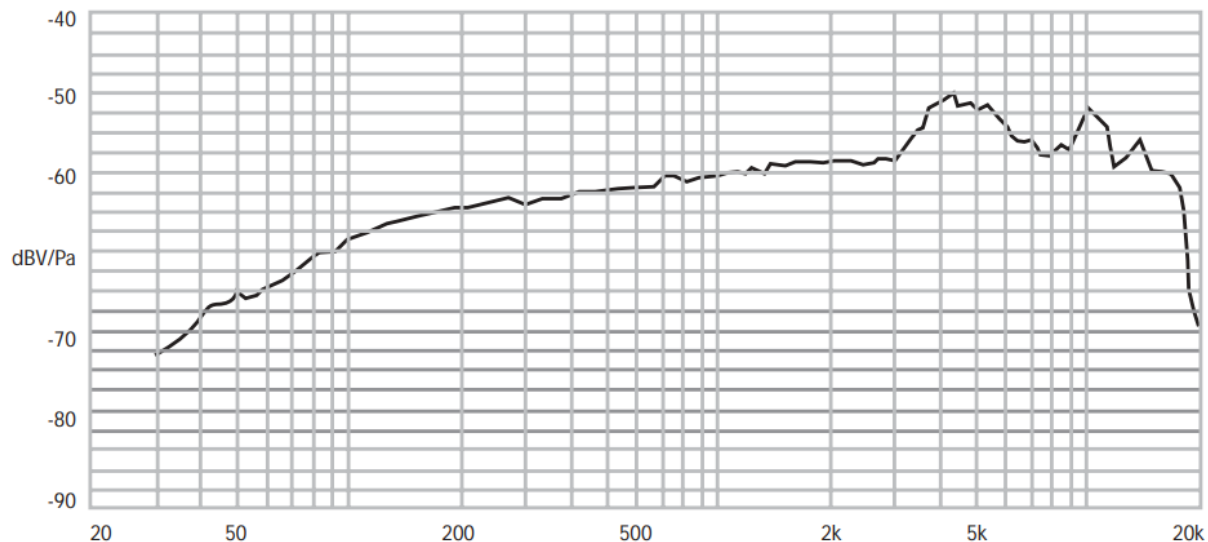
This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

## SHIPPING INSTRUCTIONS

Carefully repack the unit, have it insured, and return it prepaid to:

Carvin  
Service Department  
12340 World Trade Drive  
San Diego, CA 92128

## CM68 FREQUENCY RESPONSE



## MODEL CM68 UNIDIRECTIONAL DYNAMIC MICROPHONE SPECS:

Type: Dynamic

Frequency Response: 45 to 15,000HZ

Output Level (at 1,000 Hz, 300 ohms): Open Circuit Voltage\* -74 dB, (0.19 mV)

Cable: CM68: 6.0m (20 ft) three-conductor shielded broadcast type with XLR professional audio connector\*

Case: Dark grey enamel die casting and dark grey enamel steel mesh grille

Swivel Adapter: Slip-in positive-action, adjustable from 0° to 90°, with standard 5/8"-27 thread

Net Weight: (less cable) 8.5 oz.

# CARVIN

12340 World Trade Drive, San Diego, CA 92128

800.854.2235 [carvin.com](http://carvin.com)

## Documents / Resources



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CM68 Unidirectional Dynamic Microphone, CM68, Unidirectional Dynamic Microphone, Dynamic Microphone, Microphone