

## General Description

The Shure Centraverve CVG is a professional gooseneck electret condenser microphone for use in general installed sound reinforcement applications. With dual gooseneck sections for full articulation, the CVG12/18 provides scalable, best-in-class performance in a wide variety of locations, including podiums and desktops.

## Features

- Cardioid polar pattern with tailored response for speech
- Dual-section gooseneck enables ease of positioning and placement options
- Three model variations with inline preamps: standard, mute switch, and light ring indicator
- Available in 12" (30.4 cm) and 18" (45.7 cm) gooseneck lengths
- Commshield® technology guards against unwanted RF interference from portable wireless devices (smartphones, etc.)
- Included flange mount and snap-fit windscreen

## Model Variations

### Gooseneck Length

**12:** 12" gooseneck

**18:** 18" gooseneck

### Mute Button and LED Indicator\*

**S:** Includes mute button and bi-color LED on microphone body

**RS:** Includes mute button and On/Off colored indicator ring

\*The Standard model does not feature a mute switch or LED

### Color

**B:** Black

### Polar Pattern

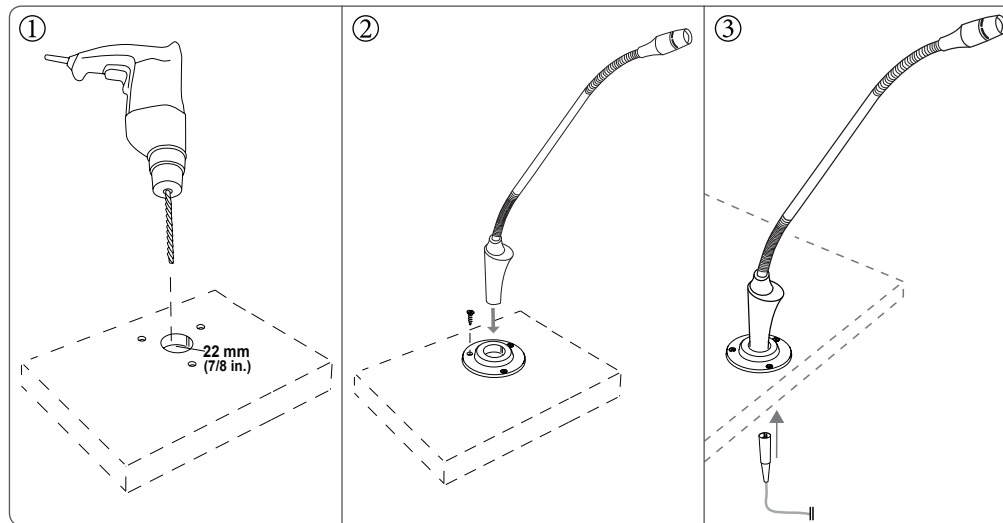
**C:** Cardioid

**Note:** Model availability depends on region. See your local Shure dealer or distributor for details.

## Installation

1. Drill a 22 mm (7/8 in.) hole in the mounting surface for the flange and three additional holes for the screws.
2. Screw the flange into place, and then set the microphone into the center hole.
3. Connect the microphone to a mixer or P.A. system using an XLR cable.

**Note:** This microphone requires +48V phantom power to operate.

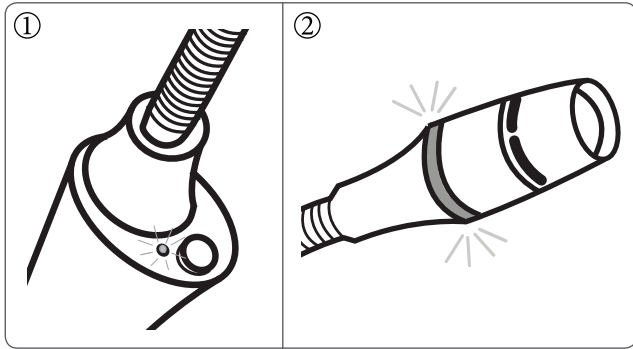


## Mute Button Operation

Press the button on the microphone body to turn the mute on/off. The standard model does not feature a mute button.

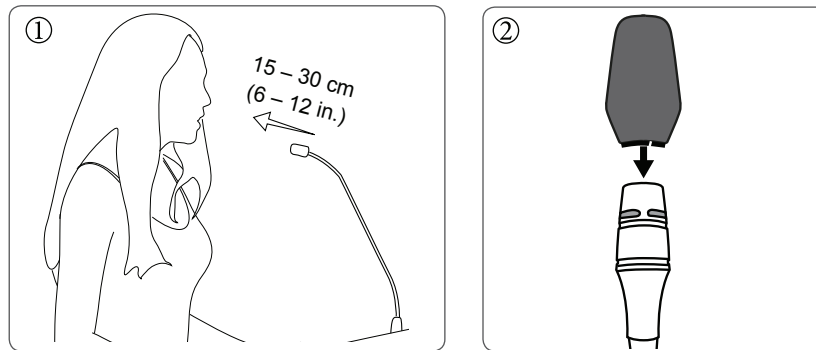
1. **CVG12S:** Mute is indicated by an LED on the microphone body:
  - Green = Microphone is on
  - Red = Microphone is muted

2. **CVG12RS:** Mute is indicated by a light ring on the microphone head:
  - Red = Microphone is on
  - Off = Microphone is muted



## Guidelines For Use

1. Maintain a distance of approximately 15 - 30 cm (6 - 12 in.) between the sound source and the microphone.
2. Always use the supplied windscreen to control pliveses and wind noise.



## Specifications

### Cartridge Type

Electret Condenser

### Polar Pattern

Cardioid

### Frequency Response

70 Hz to 16,000 Hz

### Output Impedance

180  $\Omega$

### Sensitivity

open circuit voltage, at 1 kHz, typical

-33 dBV/Pa[1] (22 mV)

### Maximum SPL[2]

1 kHz at 1% THD

120 dB SPL

### Signal-to-Noise Ratio[3]

Ref. 94 dB SPL at 1 kHz

67 dB

**Dynamic Range**

93 dB

**Self Noise**

equivalent SPL, A-weighted, typical

27 dBSPL

**Preamplifier Output Clipping Level**

at 1 kHz, at 1% THD

-7 dBV

**Common Mode Rejection**

10 Hz to 100 kHz

&gt;45 dB

**Polarity**

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

**Environmental Conditions**

Operating Temperature	-18° to 57° C (0° to 135° F)
Storage Temperature	-29° to 74° C (-20° to 165° F)
Relative Humidity	0 to 95%

**Power Requirements**

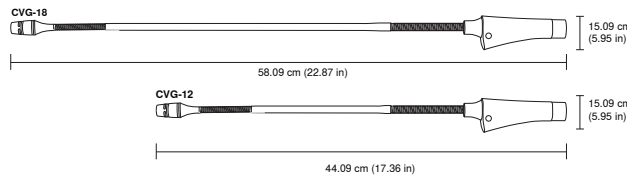
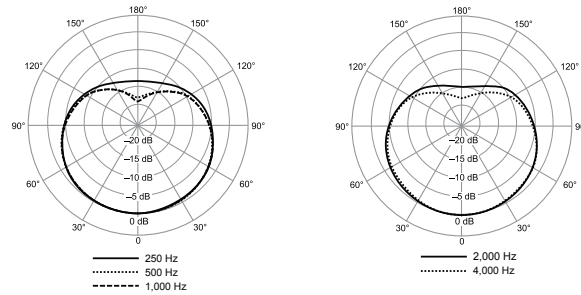
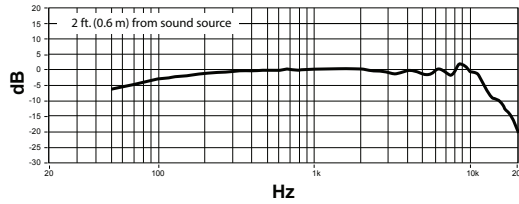
CVGD	11–52 V DC <sup>[4]</sup> , 2.0 mA
CVGD/S	11–52 V DC <sup>[4]</sup> , 5.5 mA
CVGD/RS	11–52 V DC <sup>[4]</sup> , 5.0 mA

**Weight**

CVGD/12	1202 g (42.4 oz.)
CVGD/18	1216 g (42.9 oz.)

0 1 2 3

<sup>0</sup> [1] 1 Pa=94 dB SPL<sup>1</sup> [2] THD of microphone preamplifier when applied input signal level is equivalent to cartridge output at specified SPL<sup>2</sup> [3] S/N ratio is the difference between 94 dB SPL and equivalent SPL of self-noise, A-weighted<sup>3</sup> [4] All specifications measured with a 48 Vdc phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.



## Accessories

### Furnished Accessories

Windscreen	95A16670
Mounting Flange	RPM640

### Optional Accessories

Desktop Base	CVD-B
Replacement Windscreens (4-pack)	ACVG4WS-B
Microphone Clip	A57F
25' XLR Cable	C25J
Shock Mount	A400SM

## Certifications

Meets essential requirements of all applicable European Directives.

Eligible for CE marking.

The CE Declaration of Conformity can be obtained from Shure Incorporated or any of its European representatives. For contact information please visit [www.shure.com](http://www.shure.com)

The CE Declaration of Conformity can be obtained from: [www.shure.com/europe/compliance](http://www.shure.com/europe/compliance)

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