



OIGN SERIES

PROFESSIONAL CARDIOID GOOSENECK MICROPHONE

USER'S GUIDE

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Thank you for choosing Senal.

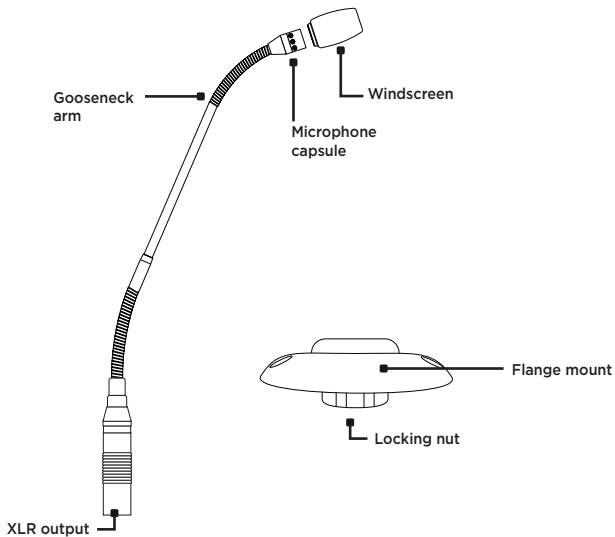
Senal's CXGN-series Professional Gooseneck Microphone is designed with a slim and stylish profile and is optimized for capturing voices. The microphone is perfect for video conferences, lectures, and meetings due to its frequency response that's tailored for intelligible speech. For noisy or acoustically untreated rooms, the cardioid polar pattern captures the sound directly in front of it while it reduces off-axis sound and noise.

The CXGN-series microphones integrate into most AV conferencing systems or sound systems. For quiet and professional audio, balanced output rejects unwanted RF and EM interference and noise, even over long cable runs. The microphone's all-metal construction will ensure long-lasting performance and dependability, even under demanding conditions. A flange mount and hardware is included for mounting the microphone to a desktop or podium. For a convenient desktop mounting option, a weighted microphone base is available separately.

Precautions

- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this product away from water and any flammable gases or liquids.
- Do not attempt to disassemble or repair this product.
- Handle this product with care.
- Use only parts provided by the manufacturer.
- Clean this product with only a soft, dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- All images are for illustrative purposes only.

Overview

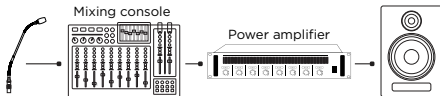


Setting Up the CXGN Gooseneck Microphone

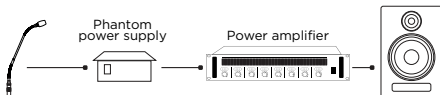
Each application of the CXGN Microphone will be slightly different. The following scenarios cover frequently used setups.

Live Lecture/Sound Reinforcement

This is ideal in an auditorium or house of worship where a voice needs to be amplified for an audience.

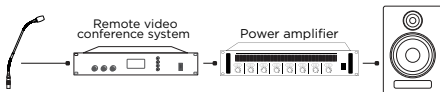


Note: CXGN microphones need phantom power in order to operate.



Video and Audio Conferencing

CXGN microphones are compatible with most audio and video conferencing systems. Refer to the conferencing system's user manual for setup instructions.



Powering the CXGN Microphone

The CXGN microphones operate on phantom power. Once connected to the power source, the CXGN mic is ready to work.

Important! When integrating the CXGN microphone into a video or audio conferencing system, or using it with a mixing board, make sure that phantom power is enabled.

Using the Windscreen

The CXGN microphone should always be used with the included foam windscreen. It prevents the vocal pops that occur with the letters *P* and *B*, and it protects the mic capsule from corrosive moisture.

To install the windscreen, slip it over the microphone capsule.

Microphone Placement

The optimum placement for the microphone is 6 to 12 inches from the source.

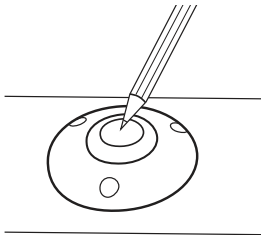
Ideally, the microphone should be pointed directly toward the source to capture the best sound.

Always point the microphones away from speakers and other sources of unwanted noise.

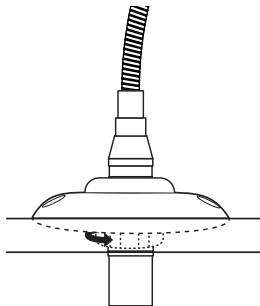
Mounting Instructions

A flange mount is included with the CXGN microphone for tabletop or desktop installation. Follow these steps for mounting the flange to a surface.

1. Place the flange on the mounting surface in the desired location for the microphone.
2. Use a pencil to mark the flange holes and the center hole on the mounting surface.
3. Remove the flange, and drill a center hole approximately 1¼ inch (44.5 mm) in diameter through the mounting surface for the XLR connector.
4. With a small drill bit, drill three starter holes for the attachment screws.
5. Replace the flange over the holes, and screw in the attachment screws until the flange is securely flush against the surface.



6. From below the surface, partially screw in the locking nut, but don't tighten it.
7. Insert the base of the microphone into the flange until the bottom extends beyond the bottom of the locking nut.
8. Hold the microphone in place, and tighten the locking nut until secure.
9. Run an XLR cable underneath the surface, and connect the female XLR connector to the gooseneck.



Using the CXGN Microphone with the Base

The CXBS-1 microphone base (sold separately) sits independently on a tabletop, desktop, or podium. It can be used with a video conferencing system or connected to a mixing board for sound reinforcement applications.

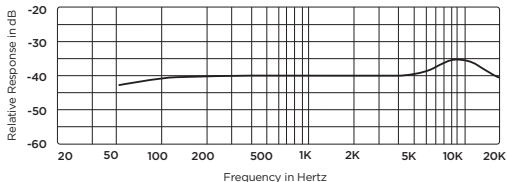
1. Plug the gooseneck into the XLR input of the base.
2. Connect the XLR cable to the input of a video conferencing system or a mixing board.

Important! When integrating the CXGN microphone into a video or audio conferencing system, or using it with a mixing board, make sure that phantom power is enabled.

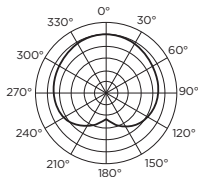
Specifications

Transducer	Back electret condenser
Polar Pattern	Cardioid
Frequency Response	30 Hz to 18 kHz
Maximum Input Level	120 dB (@1 kHz, THD <1%)
Sensitivity	-45 dB $\pm$ 3 dB (0 dB = 1 V / Pa @1 Hz indicated by open circuit)
Output Impedance	200 Ω $\pm$ 30% (@1,000 Hz)
Power Requirements	Phantom power DC 12 to 48 V
Output Connector	XLR 3-pin male
Housing Material	Metal
Gooseneck Length (including base connector)	CXGN-12C: 16.3 in. (41.5 cm) CXGN-18C: 22.5 in. (57.1 cm)
Gooseneck Diameter	CXGN-12C: 0.5 in. (12 mm) CXGN-18C: 0.5 in. (12 mm)
Dimensions (H $\times$ W $\times$ D)	Base: 4 $\times$ 3.6 $\times$ 5.7 in. (10.2 $\times$ 9.1 $\times$ 14.5 cm)
Flange Mount Diameter	0.77 in. (1.95 cm)
Weight (without flange)	CXGN-12C: 4.7 oz. (133.2 g) CXGN-18C: 7 oz. (198.4 g)

Frequency Response Graph



Polar Pattern



Troubleshooting

Problem	Solution
The microphone is connected, but there's no sound.	• Make sure both XLR connectors on the cable are fully inserted into the plugs on the microphone and input device (conferencing system or mixing board). • Make sure your microphone is connected to an XLR port with phantom power, and that the phantom power is turned on. • Refer to your AV conferencing system's user manual to ensure the input settings are correct.

Two-Year Limited Warranty

This Senal product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of two (2) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Senal Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Senal along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.senalsound.com or call Customer Service at 212-594-2353.

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