



MXGN SERIES

**PROFESSIONAL CARDIOID GOOSENECK
MICROPHONE WITH INTEGRATED BASE**

USER'S GUIDE

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Thank you for choosing Senal.

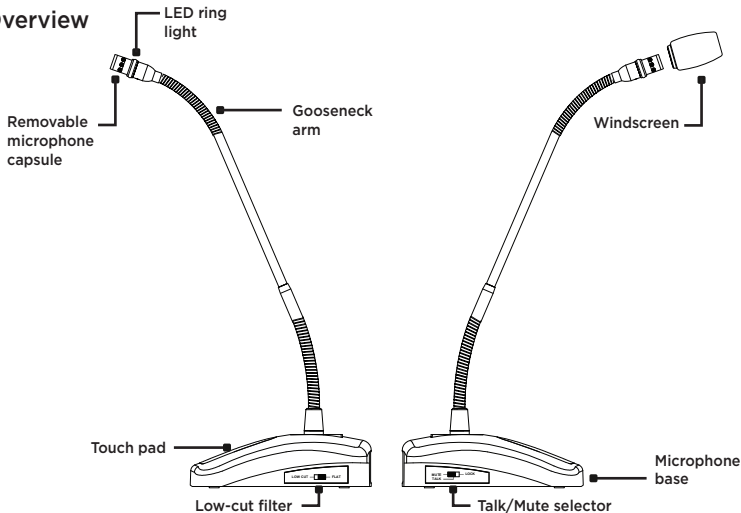
Senal's MXGN-series Professional Gooseneck Microphones are sleek microphones that are designed with optimized frequency response and sensitivity ideal for capturing voices. The included cardioid microphone capsule is perfect for video conferences, lectures, and meetings. To adapt your microphone for other conference, speaking, or desktop applications, the MXGN-series is designed for interchangeable omnidirectional and supercardioid capsules (available separately).

The MXGN-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, and a low-cut filter minimizes room noise and low-end rumble. A programmable touch pad mutes or activates the microphone with a gentle finger tap, and an LED ring light located on the gooseneck is a visual indicator of the mic's status. For public speaking applications, the microphones' stylish and slim appearance won't obscure or distract attention away from the person behind the microphone.

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 MXGN Gooseneck Microphone

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

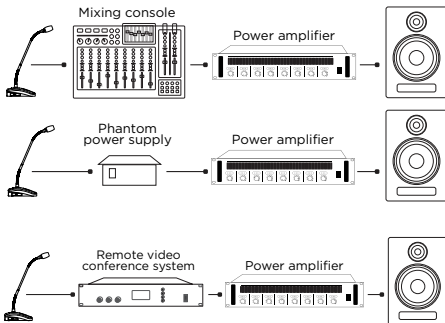
Live Lecture/Sound Reinforcement

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

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

Video and Audio Conferencing

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



Powering the MXGN Microphone

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

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

Optional Mic Capsules

The MXGN-12 and MXGN-18 include a cardioid mic capsule. Omnidirectional (MXGN-ICO) and supercardioid (MXGN-ICS) capsules are available separately.

To exchange capsules, unscrew the capsule that's attached to the gooseneck, and screw on the replacement capsule. Be sure not to overtighten the capsule when installing it.

Cardioid Polar Pattern

The cardioid capsule lessens off-axis noise. Use it in rooms with inadequate acoustic treatment or in spaces where background noise is problematic. The MXGN will capture the voice of the person sitting directly in front it while it minimizes room noise and reverberation.

Omnidirectional Polar Pattern

The omnidirectional capsule picks up sound in a 360-degree pattern. Use it in quiet rooms with adequate acoustic treatment. The microphone will pick up all participants seated on the same side of a table. Alternatively, it can be used to capture several people seated around the microphone.

Supercardioid Polar Pattern

The supercardioid capsule has a slightly narrower pickup field and rejects more off-axis noise than the cardioid capsule. This capsule is an excellent choice for a stationary lecturer at a podium or for speaking in high-noise environments. It can be used in a multi-microphone setup, providing that it's pointed directly at the person using it.

Using the MXGN Gooseneck Microphone

Using the Windscreen

The MXGN 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 for capturing the best sound.

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

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Low-Cut Filter

Activate the low-cut filter when using the microphone in rooms with inadequate acoustic treatment or constant noise from air conditioning, fans, or lights.

To filter out low frequencies, move the selector switch to the Low Cut position. Moving the selector to the Flat position turns off the low-cut filter.

Talk/Mute

Move the switch to select the talk/mute function of the touch pad.

When the LED ring light is on, the microphone is on.

When the LED ring light is off, the microphone is muted.

The touch pad on the microphone's base controls the programmable mute function. There are three programming options.

Mute

In Mute mode, the microphone is always active. Touch and hold the sensor pad to mute the microphone, and release to activate the microphone again.

This function is useful for momentarily muting the microphone if you need to cough, or to say something that isn't heard by other participants.

Talk

In Talk mode, the microphone is always muted. Touch and hold the sensor pad to activate the microphone, and release to mute the microphone again.

This function is useful for a participant that needs to speak only occasionally. Keeping the microphone defaulted to mute prevents too many open microphones at one time, and minimizes the chance of feedback, excessive noise, or interference.

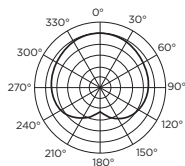
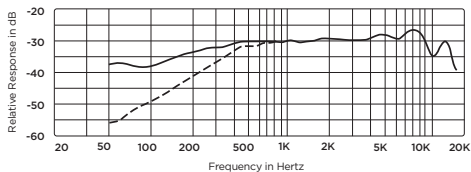
Lock

Tap the sensor pad to change the microphone's status. The microphone will stay on or muted until you touch the sensor pad again.

Selecting Lock is ideal for meetings where conversation between participants is expected. Alternatively, each participant can activate the microphone to speak individually, and then mute the microphone to listen to the other remarks.

Specifications

Transducer	Back electret condenser
Polar Pattern	Cardioid
Frequency Response	50 Hz to 18 kHz
Maximum Input Level	120 dB (@1 kHz, THD <1%)
Sensitivity	-38 dB $\pm$ 3 dB (0 dB = 1 V / Pa @1 kHz)
Low-Cut Filter	-20 dB @ 100 Hz
Output Impedance	100 Ω
Power Requirements	Phantom power DC 12 to 48 V
Output Connector	XLR 3-pin male
Mute Switch	Programmable touch pad
Housing Material	Metal
Dimensions (H $\times$ W $\times$ D)	Base: 1.6 $\times$ 3.6 $\times$ 5.6 in. (4.1 $\times$ 9.1 $\times$ 14.2 cm)
Gooseneck Length	MXGN-12C: 12 in. (30.5 cm) MXGN-18C: 18 in. (45.7 cm)
Weight	MXGN-12C: 1.53 lb. (694.6 g) MXGN-18C: 1.73 lb. (784.7 g)



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. • If the LED indicator is off, touch the sensor pad to unmute the microphone. See <i>Talk/Mute</i> above about programming the touch pad. • 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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