

# Phantom Gooseneck Mics

## SGM-PMR-40

The cardioid or super gooseneck vocal microphone with a built-in Phantom Mic Rider Pro signal processor shall draw its power from the phantom power supplied to the microphone. The unit shall include a heat-sensing Infrared Gate for muting the microphone when no one is in front of it.

The button that controls the IR Range and IR Time is located on the front of the connector.

The audio connectors shall be XLR.

The following performance criteria shall be met:

### Microphone

- Capsule type: electret condenser
- Polar patterns: Cardioid or Super-cardioid
- Sensitivity (at 1 KHz):-58 dB (1.25mV)
- Maximum SPL for 1% THD:125dB
- Frequency response: 50 Hz to 20kHz
- Dynamic Range: 115 dB typ (unweighted)
- Distortion: < 0.05% @ 1kHz
- Propagation Delay: 0ms
- Audio connector: 3-pin XLR
- Input Resistance: 20k Ohm
- IR Sensor Detection Range: 3, 6, 9 feet
- IR Time to turn off: 5, 10, 15 sec
- Phantom power requirement: 48V

Unit includes an Infrared Gate built-in to a 14, 18, or custom length gooseneck mic with cardioid or super cardioid microphone.

The unit shall be the Phantom Gooseneck SGM18-C-PMR-40 or SGM14-C-PMR-40 (18" or 14" cardioid gooseneck mic); SGM18-S-PMR-40 or SGM14-S-PMR-40 (18" or 14" super cardioid gooseneck mic) processor.

## SGM-PMR-40-NS

The cardioid or super gooseneck vocal microphone with a built-in Phantom Mic Rider Pro signal processor on a base shall draw its power from the phantom power supplied to the microphone. The unit shall include a heat-sensing Infrared Gate for muting the microphone when no one is in front of it.

Controls for the unit shall be located on the bottom of the base. These controls include a button to control the IR Range and a button to control the IR Time.

The audio connectors shall be XLR.

The following performance criteria shall be met:

### Microphone

- Capsule type: electret condenser
- Polar patterns: Cardioid or Super-cardioid
- Sensitivity (at 1 KHz):-58 dB (1.25mV)
- Maximum SPL for 1% THD:125dB
- Frequency response: 50 Hz to 20kHz
- Dynamic Range: 115 dB typ (unweighted)
- Distortion: < 0.05% @ 1kHz
- Propagation Delay: 0ms
- Audio connector: 3-pin XLR
- Input Resistance: 20k Ohm
- IR Sensor Detection Range: 3, 6, 9 feet
- IR Time to turn off: 5, 10, 15 sec
- Phantom power requirement: 48V

Unit includes an Infrared Gate built-in to a 12, 18, or custom length gooseneck mic with cardioid or super cardioid microphone with a base.

The unit shall be the Phantom Gooseneck SGM18-C-PMR-40-NS or SGM12-C-PMR-40-NS (18" or 12" cardioid gooseneck mic); SGM18-S-PMR-40-NS or SGM12-S-PMR-40-NS (18" or 12" super cardioid gooseneck mic) processor.

## SGM-PMR-40-SW

The cardioid or super gooseneck vocal microphone with a built-in Phantom Mic Rider Pro signal processor on a base shall draw its power from the phantom power supplied to the microphone. The unit shall include a heat-sensing Infrared Gate for muting the microphone when no one is in front of it.

Controls for the unit include an On/Off button (programable by the slider switch located on the bottom) on the front of the base. There is a button to control the IR Range, a button to control the IR Time, and the three-position slider switch on the bottom of the base.

The audio connectors shall be XLR.

The following performance criteria shall be met:

### Microphone

- Capsule type: electret condenser
- Polar patterns: Cardioid or Super-cardioid
- Sensitivity (at 1 KHz):-58 dB (1.25mV)
- Maximum SPL for 1% THD:125dB
- Frequency response: 50 Hz to 20kHz
- Dynamic Range: 115 dB typ (unweighted)
- Distortion: < 0.05% @ 1kHz
- Propagation Delay: 0ms
- Audio connector: 3-pin XLR
- Input Resistance: 20k Ohm
- IR Sensor Detection Range: 3, 6, 9 feet
- IR Time to turn off: 5, 10, 15 sec
- Phantom power requirement: 48V

Unit includes an Infrared Gate built-in to a 12, 18, or custom length gooseneck mic with cardioid or super cardioid microphone with a base.

The unit shall be the Phantom Gooseneck SGM-C-18-PMR-40-SW or SGM-12-C-PMR-40-SW (18" or 12" cardioid gooseneck mic); SGM-S-12-PMR-40-SW or SGM-S-18-PMR-40-SW (18" or 12" super cardioid gooseneck mic) processor.