

PHANTOM™
MIC RIDER PRO

PHANTOM™
MIC RIDER



*PMR-GP1 for
gooseneck &
podium mics*



*PMR-HH1 for
handheld mics*



Create a Worry-Free
Zone for All Your
Unattended Mics.

SABINE®
the sound of innovation

The World's First Phantom-Powered Audio Signal Processors.

The family of Phantom Mic Riders is now expanded to include the new Phantom Mic Rider Pro versions. Like the original Phantoms, these Pro versions provide solutions to overcome almost every problem you may have with a gooseneck, podium, or handheld mic.

Phantom Mic Riders are the closest thing to having an engineer in every microphone. And now you can choose from three different versions to cover any application you may have. The new Pro versions feature 110 dB dynamic range and lower phantom power requirements, allowing these to be used in more demanding applications such as performance audio, recording, and broadcast.

Products like this could only come from Sabine, the industry leader in innovative audio products. Chose from three different Phantoms:

Phantom Mic Rider Pro Series 3: These new units provide one simple function. They are Infrared Gates that turn your mic on and off based on the presence of a person. The heat-sensing IR module is mounted on the gooseneck or is built-in on the handheld version. You can adjust the IR sensor for both time to turn off (5-15 sec.) and range (3-9 feet). These adjustments allow you to customize the gate function for any application. And the improved specs allow for transparent audio.

Phantom Mic Rider Pro Series 2: In addition to the same adjustable IR Gate as in the 3 Series, the Series 2 Phantom Pro units provide 3 audio processors: Automatic Gain Control for controlling gain as you move toward and away from the mic, Proximity Effect Control for controlling that excess bass sound as you get closer to the mic and maintaining flat frequency response at all distances from the mic, and Plosive control, for reducing the loud pops and bursts from certain consonant sounds in speech.

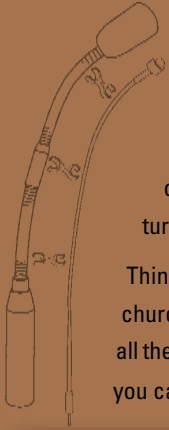
Phantom Mic Rider Series 1: The original Phantom includes Sabine's industry-leading and patented FBX Feedback Exterminator for maximizing gain before feedback, as well as the Automatic Gain Control, Proximity Effect Control, and Plosive Control. The IR Gate is also included, and this gate is not adjustable.

Just Plug Your Mic in!

The Phantom delivers benefits for everyone involved with your sound system. Whether they have loud talkers or meek mumblers, all your presenters will appreciate the consistent sound quality and managed gain provided by the Phantom. The technicians will love the fast and easy installation and setup, and they can leave that mic unattended knowing the adaptive functions of the Phantom will take care of feedback, gain, and clarity. The Phantom even turns the mic off if no one is front of it. The audience will appreciate the clear sound and increased intelligibility. And your accounting department will love the price.

Getting a Phantom on every mic is like having an engineer in every microphone, one who manages the gain, drops in parametric filters to kill feedback, tweaks the EQ when the presenter gets too close, edits out the plosive sounds without affecting the audio, and turns the mic off if no one is near it.

Think of the applications: retrofit every podium mic at your church, school, boardroom, or teleconferencing center. With all these features in one small package, all for such a great price, you can afford to put one on every mic in all your systems.

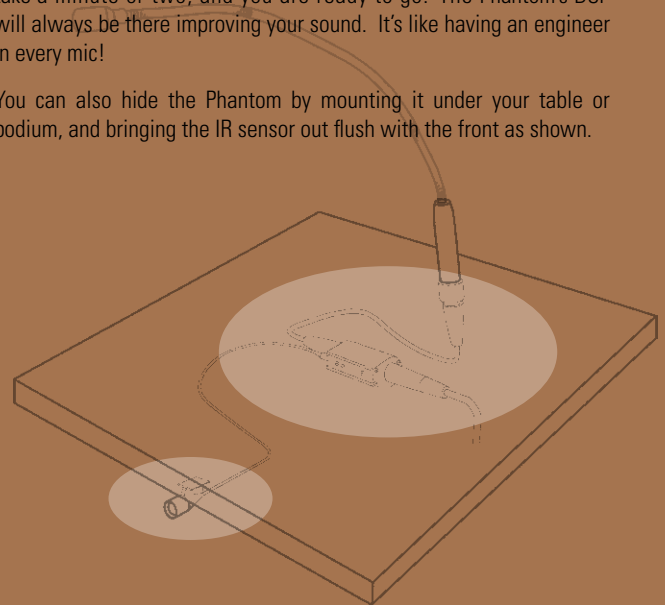


Typical Podium Mic Application

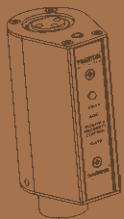
Installing and setting up your Phantom is extraordinarily easy. Just insert the Phantom between the mic's base (or podium if the mic is flush mounted) and the connector on your gooseneck mic. It's as easy as that.

The controls (hidden beneath the security cover) will allow you to make a few adjustments to customize the Phantom for your situation. Set the Phantom for your mic's sensitivity, then set your FBX filters, and tweak the proximity and plosive controls if necessary. The whole process will take a minute or two, and you are ready to go. The Phantom's DSP will always be there improving your sound. It's like having an engineer in every mic!

You can also hide the Phantom by mounting it under your table or podium, and bringing the IR sensor out flush with the front as shown.



Feature	Phantom Mic Rider Pro Series 3	Phantom Mic Rider Pro Series 2	Phantom Mic Rider Series 1
FBX Feedback Exterminator			•
Standard Infrared Gate			•
Adjustable Infrared Gate	•	•	
Automatic Gain Control		•	•
Proximity Effect Control		•	•
Plosive Control		•	•
For Speech	•	•	•
Performance & Recording	•	•	
Gooseneck/Podium Models	PMR-GP3-12/18	PMR-GP2-12/18	PMR-GP1-12/18
Handheld Mic Models	PMR-HH3	PMR-HH2	PMR-HH1
Custom IR Sensor Cable	PMR-GP3-C	PMR-GP2-C	PMR-GP1-C



PMR-GP1, 2, 3



PMR-HH1, 2, 3

Product Specifications

- Minimum phantom power requirement: 48V @ 10mA.
- Supplies 24V (Pro) / 17V & up to 4mA of phantom power to connected mic
- Frequency response: +/- 1.5dB, 50Hz / 80 Hz (Pro) to 20kHz
- Dynamic range: 110dB typ (Pro) / 94dB typ, (unweighted)
- Distortion: <0.05% @ 1kHz (Pro), <0.5% @ 1kHz
- Propagation Delay: 0 ms (Pro) / 0.870 ms
- FBX Filters: 4 Fixed Filters (PMR-1 Series)
- Audio connector: 3-pin XLR
- Input resistance: 20k Ohm
- IR Sensor detection range: 3, 6, 9 feet on Series 2 & 3; 6 feet on Series 1
- IR Time to turn off: 5, 10, 15 sec on Series 2 & 3; 15 sec on Series 1
- Dimensions: 2.5" x 1.6" x 1.2" (6.4 cm x 4 cm x 3 cm)

Phantom Mic Riders work with gooseneck or handheld mics that use standard XLR connectors, and are installed in a system that provides 48V phantom power.

Complete Operating Guide and Catalog available at our website

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Patents Pending. Made in USA.

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