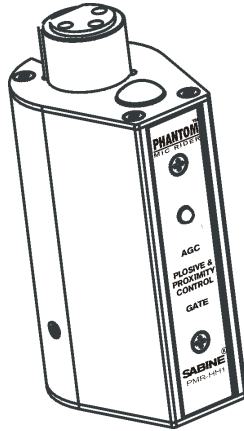


PMR-HH2

Phantom Mic Rider Pro

Specifications



The Phantom Mic Rider Pro™ is the closest thing to having an engineer in every microphone.

The PMR-HH2 provides you with four audio processing features: **Automatic Gain Control**, helps maintain level as you move toward and away from the mic, **Proximity Effect Control**, reduces the excess bass sound as you get closer to the mic - 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. Also included is an **Infrared Gate** that turns 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 ft.). These adjustments allow you to customize the gate function for any application. The PMR-HH2 features a 115 dB dynamic range and low phantom power requirements, allowing it to be used in more demanding applications such as performance audio, recording, and broadcast.

The Sabine Phantom Mic Rider Pro™ PMR-HH2 will greatly improve the sound of your Podium, Gooseneck, or Handheld mics.

Applications: schools, teleconferencing centers, houses of worship, meeting rooms, performance audio, recording, and broadcast applications.

Frequency Response:

+/-1.5dB (30Hz to 20kHz)

Dynamic Range:

115dB typ (unweighted)

Distortion:

< 0.05% @ 1kHz

Propagation Delay:

0 ms

Audio connector:

3-pin XLR

Input Resistance:

20k Ohm

IR Sensor Detection Range:

approximately 3, 6, or 9 feet
(91.44 cm, 182.88 cm, 274.32 cm)

IR Sensor Time to turn off:

approximately 5, 10, or 15 sec

Dimensions:

2.5" x 1.6" x 1.2" (6.4 cm x 4 cm x 3 cm)

Minimum phantom power requirement:

Series 2: 20V @ 3mA

The Phantom Mic Rider works with phantom power sources that conform to industry standards (DIN standard 45 596 or IEC standard 268-15A). Devices that do not conform can be modified to meet the standard, or external phantom power supplies can be used.

The phantom-powered signal processor shall plug in-line with handheld vocal microphones and draw its power from the phantom power supplied to the microphone. The unit shall include the following processing functions: Automatic Gain Control; Proximity Effect Control; Plosive Control, adjusted with the same variable setting; and a heat-sensing Infrared Gate for muting the microphone when no one is in front of it. Controls for the unit shall be hidden beneath a security cover. These controls include a potentiometer for adjusting both the Proximity and Plosive control, and a potentiometer for adjusting the sensitivity to match the microphone. There is a button for IR range, a button for IR time and to toggle the IR. A LED lights green when the Phantom is connected to phantom power and is passing audio and lights red when editing functions. The audio connectors shall be XLR.

Unit includes Phantom with a built-in IR sensor assembly. The unit shall be the Phantom Mic Rider PMR-HH2 signal processor.

(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)