

Phantom Mic Rider Pro

PMR-GP2

The phantom-powered signal processor shall plug in-line with gooseneck and podium 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.

The following performance criteria shall be met:

- Phantom power requirement: 48V
- 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: 3 ft, 6 ft, 9 ft, Off
- IR Time to turn off: 5 sec, 10 sec, 15 sec, Off

Unit includes Phantom, IR sensor assembly with plug for connecting sensor to Phantom. Assorted clips for mounting on gooseneck or under table are also included.

The unit shall be the Phantom Mic Rider PMR-GP2-12 (with 12" IR sensor cable) or PMR-GP2-18 (with 18" IR sensor cable) signal processor.

PMR-HH2

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.

The following performance criteria shall be met:

- Phantom power requirement: 48V
- 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: 3 ft, 6 ft, 9 ft, Off
- IR Time to turn off: 5 sec, 10 sec, 15 sec, Off

Unit includes Phantom with a built-in IR sensor assembly.

The unit shall be the Phantom Mic Rider PMR-HH2 signal processor.