

Phantom Mic Rider

PMR-GP1

The phantom-powered digital 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: FBX Feedback Exterminator, with four feedback control filters and Setup Mode; Automatic Gain Control; Proximity Effect Control, adjustable in three different settings; Plosive Control, also adjusted with the same three settings; 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 button for adjusting both the Proximity and Plosive control, and a button for adjusting the sensitivity to match the microphone, to toggle the IR function, and to adjust IR range and IR time. A three-color LED lights green when the Phantom is connected to phantom power and is passing audio, red when editing functions, and amber to indicate FBX Setup Mode.

The audio connectors shall be XLR.

The following performance criteria shall be met:

- Minimum phantom power requirement: 48V
- Frequency Response: +/-1.5dB (50Hz to 20kHz)
- Dynamic Range: 94dB typ (unweighted)
- Distortion: < 0.5% @ 1kHz
- Propagation Delay: 0.870ms
- FBX Filters: 2-4 Fixed Filters
- Audio connector: 3-pin XLR
- Input Resistance: 20k Ohm
- IR Sensor Detection Range Maximum: 6 feet
- Dimensions: 2.5" x 1.6" x 1.2" (6.4 cm x 4 cm x 3 cm)
- PMR-GP1 includes Phantom, IR sensor assembly and assorted clips for mounting on gooseneck or under table

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-GP1-12 (with 12" IR sensor cable) or PMR-GP1-18 (with 18" IR sensor cable) digital signal processor.

PMR-HH1

The phantom-powered digital 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: FBX Feedback Exterminator, with four feedback control filters and Setup Mode; Automatic Gain Control; Proximity Effect Control, adjustable in three different settings; Plosive Control, also adjusted with the same three settings; 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 button for adjusting both the Proximity and Plosive control, and a button for adjusting the sensitivity to match the microphone, to toggle the IR function, and to adjust IR range and IR time. A three-color LED lights green when the Phantom is connected to phantom power and passing audio, red when editing functions, and amber to indicate FBX Setup Mode.

The audio connectors shall be XLR.

The following performance criteria shall be met:

- Minimum phantom power requirement: 48V
- Frequency Response: +/-1.5dB (50Hz to 20kHz)
- Dynamic Range: 94dB typ (unweighted)
- Distortion: < 0.5% @ 1kHz
- Propagation Delay: 0.870ms
- FBX Filters: 2-4 Fixed Filters
- Audio connector: 3-pin XLR
- Input Resistance: 20k Ohm
- IR Sensor Detection Range Maximum: 6 feet
- Dimensions: 2.5" x 1.6" x 1.2" (6.4 cm x 4 cm x 3 cm)
- PMR-HH1 includes Phantom with built-in IR sensor

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

The unit shall be the Phantom Mic Rider PMR-HH1 digital signal processor.