

# GSPre

## Preamplifier

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The GSPre is the nerve center of a system – not only directing signals and providing attenuation, but also interpreting and deciphering complex signals to create a musical story with the drama and intrigue befitting your favorite songs. The job of a preamplifier is to do its work discretely, leaving the musical signal with as little signature as possible yet still unraveling the chapters that comprise the lyrical narratives of the source material. With decades of expertise creating some of the finest preamplifiers ever produced, the GSPre is certain to continue the legacy on which Audio Research has built its reputation.

The GSPre is both a line stage and phono stage, with programmable functionality and flexibility, making it the perfect solution to adapt and grow in your system. The phono stage is no mere afterthought, but a separate, vacuum tube-powered circuit providing enough gain for a variety of phono cartridges. When listening conditions require a more personal experience, the GSPre also has a headphone amplifier capable of driving a range of headphone impedances. The front panel layout is designed to simply and clearly display all functions and information, and integrates beautifully with the rest of the chassis and the G-Series amplifier.



## Specifications

### Frequency Response:

Line:  $\pm 0.3$ dB 2Hz to 80kHz;  $-3$ dB 0.8Hz to 220kHz  
 Phono:  $\pm 0.1$ dB of RIAA 10Hz to 20kHz,  $\pm 0.4$ dB 5Hz to 80kHz  
 Headphone:  $\pm 0.05$ dB 20Hz to 20kHz;  $-3$ dB 0.8Hz to 220kHz

### THD+N @ 1kHz:

Line:  $< 0.002\%$  at 2V RMS, Bal output  
 Phono:  $< 0.005\%$  at 3V RMS output, to Record output  
 Headphone:  $< 0.009\%$  at 1V RMS output

### Gain @ 1kHz:

Line: 13.8 dB, Processor: 0dB  
 Phono: 58dB @ 1kHz to Record output  
 Headphone: 11.3dB

### Noise (A-weighted):

Line:  $< -101$ dBV volume at max.  
 Phono:  $< -77$ dBV to Record output  
 Headphone:  $< -88$ dBV volume at max.

### Channel Separation @ 1kHz:

Line:  $> 75$ dB Balanced output  
 Phono:  $> 70$ dB to Record output  
 Headphone:  $> 60$ dB

### Signal to Noise Ratio @ 1kHz, A-weighted:

Line:  $> 125$ dB Balanced output  
 Phono:  $> 94$ dB to Record output  
 Headphone:  $> 110$ dB

**Input Impedance:** 150k $\Omega$  Balanced, 75k $\Omega$  SE;  
 Phono impedance programmable (100, 200, 500, 1000 or 47k $\Omega$  w/200pF unbalanced)

**Output Impedance @ 1kHz:** 500 $\Omega$  Balanced,  
 250 $\Omega$  SE;  $< 0.05$  $\Omega$  Headphone SE.

### Maximum Input:

Line: 12V RMS Balanced, 6.0V RMS SE.  
 Phono: 11mV RMS at 1KHz.

### Rated Output:

Line: 2V RMS (1V RMS SE) into 200k $\Omega$  balanced load (maximum balanced output capability is 15V RMS at less than 0.5% THD+N at 1KHz.)  
 Phono: 0.5V RMS into 200k load, Max output same as Line stage.  
 Headphone: 6V RMS maximum into 30 $\Omega$  to 300 $\Omega$  load.

### Controls:

Volume, Input Selector. 5 Push Buttons: Power, Mute, SPKR Off, Mono, Menu. Rear: RS-232 control, Remote IR input & Remote Trigger out.

**Power Supplies:** Electronically regulated low and high voltage supplies. Automatic 45 sec. warm-up & brown-out mute. Line regulation better than .01%.

**Tube Complement:** (6) 6H30P dual triodes.

**Power Requirements:** 100-125VAC 60HZ (200-250VAC 50/60Hz) 105 Watts. Standby: 1.5 Watts.

### Dimensions:

width	19" (483 mm)
height	7 ¾" (197 mm)
depth	17 ¼" (438 mm)

**Weight:** 25 lbs. (11.3 kg)