

Ausführung in  
SCHWARZ



The MOON P-5 Preamplifier represents a full out assault on state-of-the-art design. It featured a separate power supply, dual-mono fully balanced differential class "A" circuit topology, an exceptionally short capacitor-free signal path using a discrete "shunt to ground" gain stage and full function remote capability.

**MOON P-5 Dual-Mono Preamplifier – Specifications**

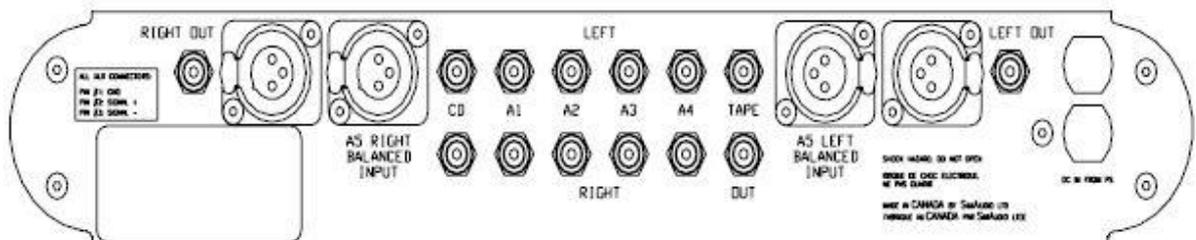
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|---|---|
| Configuration .....                       | Dual Mono                                 |
| Power Supply Transformer .....            | 0.5kVA                                    |
| Power Supply Capacitance .....            | 70,000µF                                  |
| Class Of Operation .....                  | Class "A"                                 |
| Design .....                              | Open Loop – Fully Balanced Differential   |
| Balanced inputs (XLR) .....               | 1   |
| Single-ended inputs (RCA) .....           | 5   |
| Input Device Type .....                   | J-FETs                                    |
| Input Impedance .....                     | 47,500Ω                                   |
| Input Sensitivity .....                   | 200mV – 4.0V RMS                          |
| Tape Output .....                         | 1   |
| Output Device Type .....                  | MOSFET                                    |
| Balanced outputs (XLR) .....              | 1   |
| Single-ended outputs (RCA) .....          | 1   |
| Output Impedance (Balanced) .....         | 110Ω                                      |
| Output Impedance (Single-ended) .....     | 220Ω                                      |
| Gain Control .....                        | RGB ry – Fully Discrete "Shunt-To-Ground" |
| Gain (Balanced) .....                     | 12dB                                      |
| Gain (Single-Ended) .....                 | 9dB                                       |
| Signal-to-noise Ratio .....               | 98dB @ full output                        |
| Maximum Output Voltage (Balanced) .....   | 10 Volts                                  |
| Maximum Output Voltage (Single-Ended) ... | 5 Volts                                   |
| Frequency Response .....                  | 20Hz - 20kHz +0/-0.1dB                    |
| Crosstalk @ 1kHz .....                    | -65dB                                     |
| Intermodulation Distortion .....          | Unmeasureable                             |
| THD (20Hz - 20kHz) .....                  | < 0.05%                                   |
| Remote Control .....                      | All Aluminum Full-Function (FRM)          |
| Optional Phono Section .....              | MOON PSP - external                       |
| AC Power Requirements .....               | 120V / 60Hz or 240V / 50Hz                |
| Fuse Replacement - 120V / 230V .....      | 2A long slow blow / 1A long slow blow     |
| Shipping Weight .....                     | 40 lbs / 18 Kgs                           |
| Dimensions (W x H x D, inches) .....      | 17 x 4 x 15 (each chassis)                |

Balanced Input and Output Pin Assignment:  
 Pin 1 ..... Ground  
 Pin 2 ..... Positive  
 Pin 3 ..... Negative

## Technical aspects:

- An oversized outboard power supply housed in a separate matching chassis  
8 stages of DC voltage regulation
- An exceptionally short signal path measuring only 9 inches in length from the rear panel's input to output connectors, yielding a much faster transient response
- Fully balanced circuitry through the entire preamplifier
- Open loop zero feedback circuit topology using absolutely no capacitors anywhere in the audio signal path
- Proprietary designed fully discrete "shunt to ground" gain stage employing a precision relay network which uses only one metal film resistor at any given time (rather than a series of resistors), for the audio signal to pass through, resulting in a gain control that doesn't degrade sonic performance regardless of the selected setting
- J-FET input devices and MOSFET output devices
- A custom proprietary toroidal transformer design with lower magnetic, electrical and thermal loss, yielding an improved power transfer and lower regulation factor, resulting in increased current speed and better dynamics
- One single-ended audio input which bypasses the gain stage to accommodate a component, such as a home-theatre processor, whose own volume control is used instead
- Accurate matching of the very finest high quality electronic components
- A symmetrical circuit design
- Pure copper circuit board tracings with extremely low impedance characteristics
- Extremely rigid chassis construction to minimize the effects of external vibrations
- Improved reliability through the elimination of moving parts
- Designed to be powered up at all times for optimal performance
- Low operating temperature for a longer than normal life expectancy.

## Rear Panel:



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