

conrad-johnson design

2733 Merrilee Drive

Fairfax, VA 22031

ph: 703-698-8581

PV-3 OWNER'S ' MANUAL

Thank you for purchasing the conrad-johnson model PV-3 preamplifier. We believe that it will be one of the most satisfying purchases of audio equipment that you will make. The design and materials have been carefully selected to yield many years of unvarying excellent performance. A brief reading of the following notes for the owner will enable you to better understand the PV-3's operation.

REGISTERING THE WARRANTY:

Please return the enclosed card to the factory within 30 days to register the warranty. The warranty may be transferred to a new owner if it has been properly registered initially and if the registered owner sends a signed notice providing the name and address of the new owner and the model and serial number of the unit.

INSTALLATION:

The conrad-johnson preamplifier may be installed either horizontally or vertically. In either case the unit should be supported by brackets or a shelf. Ventilation above and below the unit should not be obstructed. To minimize hum pickup keep the unit well away from power amplifier transformers and route power cords away from input cables.

THIS UNIT IS TO BE OPERATED ONLY ON AN AC LINE OF FROM 108 TO 120 VOLTS.

INPUTS:

Phono - These inputs provide the additional amplification and RIAA equalization required by most high fidelity phono cartridges. The ground lead from the turntable should be connected to the binding post.

Tuner, Tape – These are high level inputs and are electronically equivalent. The output of your tape recorder should be connected to the Tape input.

OUTPUTS:

Record - Connect to the inputs of your tape recorder.

Output - Connect to the inputs of your power amplifier. The use of short length of low capacitance interconnect cable (such as conrad-johnson IW144) is recommended.

TURN ON :

Because of different warm up characteristics **SPECIAL PRECAUTION MUST BE TAKEN WHEN TURNING ON A SYSTEM WITH A VACUUM TUBE PREAMPLIFIER AND A SOLID STATE POWER AMPLIFIER.** Switch the preamp on first, allowing about 30 seconds for it to warm up before switching on the power amplifier. Failure to observe these precautions may easily result in damage to your amplifier or speakers.

CONTROLS:

Phono/Tuner: Switches between phono and tuner inputs. The selected source will be available at the source position of the monitor switch and at the record outputs.

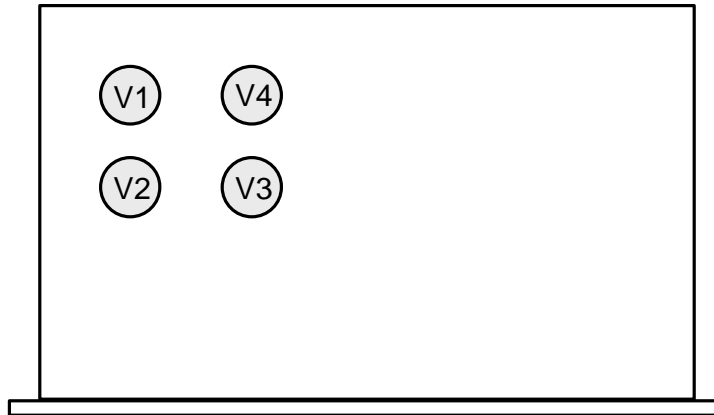
Source/Monitor: Switches between the selected source and tape inputs. May be used to compare source and tape copy when recording.

Volume/Balance: Volume is set on each channel individually by the dual concentric volume knobs. Friction drive lets both controls rotate together. Balance may altered by grasping one knob and turning the other.

TUBES:

Modern vacuum tubes have a useful life of more than a thousand hours; however audible performance will be subtly degraded eventually. When replacement becomes desirable the tubes must be replaced with tubes of the same type. Tubes V1,V2,V3 are 12AX7. V4 is a 12AT7. Replacement tube sets are available from conrad-johnson design.

TUBE LOCATIONS (top view):



FUSE:

The AC line is fused to protect the transformer. This fuse will not fail in normal operation. Failure of the fuse is a symptom of a more serious problem. The unit should be taken to a qualified service center. IN NO EVENT SHOULD THE FUSE BE REPLACED WITH A FUSE OF DIFFERENT TYPE OR RATING THAN THAT SUPPLIED BY THE FACTORY.

SPECIFICATIONS:

Gain : phone stage 38 db
high level 26 db

Output: maximum 25v
rated at 2.0 v

Total hum and noise (20-20 kHz):

Phono stage: 70db below 10 mv input

High level : 84db below 2.5 v output

Distortion: THD and IM less than .05%

Phono overload in excess of 500mv at 1 kHz

Response: bandpass 10Hz to more than 100 kHz
RIAA equalization +/- 0.5db (20-20 kHz)