

PAM-3

OWNERS MANUAL

PAM-3

The Krell PAM-3 Preamplifier is a result of two years of research. Research not only in electronics, but also in marketing. Krell has developed sophisticated audio circuitry that meets our own rigid electrical standard and above all sounds musical. The PAM-3 is so advanced that it will make a statement for years to come. This instruction manual is intended to enhance the usage and enjoyment of your PAM-3.

UNPACKING

While unpacking your PAM-3, please inspect the unit carefully for shipping damage. If all is well, proceed. Position PAM-3 in your system. Plug in the power supply connectors on the back of your preamp, lining up the red dots of the connectors with recepticals on the rear panel and push gently until it snaps into place. Next plug in power supplies into the A.C. wall outlet. The green leds on the preamp and the two power supplies should light up. If they do not, stop and contact your dealer or the factory.

HOOK UP

Your PAM-3 comes to you factory set for moving coil operation with an impedance of 100 ohms. This impedance can be changed by adjusting switches marked S 1 and S 3. To do so remove the cover of the preamp with the supplied allen key and refer to figure 1 and the following table.

TABLE OF MOVING COIL ADJUSTMENTS

all switches in the open position =	47,000 ohms
all switches open except switch 8 on =	1,000 ohms
all switches open except switch 7 on =	800 ohms
all switches open except switch 6 on =	470 ohms
all switches open except switch 5 on =	250 ohms
all switches open except switch 4 on =	100 ohms
all switches open except switch 3 on =	47 ohms
all switches open except switch 2 on =	25 ohms
all switches open except switch 1 on =	5 ohms

To change moving coil to rixed coil (moving magnet), adjust S 2; refer to switch direction in figure 1. S 2 switch levers should point to the right side for moving coil and to the left for moving magnet.

TUNER

The tuner input on PAM-3 is the second input panel. It is set up to drive the high level section of the preamp directly.

SELECTOR SWITCH

PAM-3's selector switch is used to choose the desired source: Phono, Tuner, Aux, C.D., Tape 1 and Tape 2. It may also be used to turn the signal off (completely muted). This can be accomplished by turning the selector past the Phono position one step above, in a clockwise direction.

C.D. Input

The C.D. input of PAM-3 is a true phase correcting filter. It has 14 different adjustments for the various type of C.D. players. If you refer to figure 1 and move switches on S 4 and S 5 you may adjust for your specific D.C. player. The adjustments are as follows:

Sony 101 & 701 ES: 1-2-3-open 4-5-6-7-8-on
Technics (any): 1-2-open 3-4-5-6-7-8-on
Revox: 1-2-open 3-4-5-6-7-8-on
NAD: 1-3-4-5-6-7-open 2-8-on
Kyocera: 1-3-5-6-7-open 2-4-on
Kyocera 901: 1-2-open 3-4-5-6-7-8-on
Meridan MCD & PRO: 1-6-7-open 2-3-4-5-8-on*

If you do not find your brand of player above, please contact your local dealer or the factory directly for specific settings. If you have a Sony type system, adjust to 1-2-3-8-open and 4-5-6-7-on. If you have the Phillips type system, adjust to 3-4-5-6-7-open and 1-2-8-on. These are the average settings for the two systems.

AUXILLIARY

The auxilliary input is the same as the tuner input and may be used for a host of different applications.

TAPE

Tape 1 and tape 2 inputs may be used to dub from tape 1 to tape 2, (but not the rverse). PAM-3 has one tape output.

*see page 6 for additional settings

OUTPUTS

There are two outputs on PAM-3 which are capable of driving more than one amplifier at the same time.

MONO OPERATION

Many audiophiles have large collections of monaural recordings. It would not be necessary to have a mono switch for just a few mono recordings but for a larger collection such a switch is desirable. Due to the less frequent use of this control, we chose to put it inside the preamp. PAM-3 also has a mono blend switch inside. To operate in mono, remove the cover with the supplied allen key and consult Figure 1. S 6 controls the stereo/mono operation. PAM-3 comes from the factory set for stereo use with both levers facing forward. For mono blend the right hand lever should be moved toward the rear position. This is not true mono but a low level mixing of right and left channel, reducing left and right separation. For true mono both left and right levers should be facing toward the rear. The left switch should never be used by its self but always in conjunction with the right switch.

BALANCE

The balance control on the PAM-3 is really a balance attenuator. When you turn the control to the right, the speaker on the right will reduce in level. If you turn it to the left, the left speaker will reduce in level. Note: rotation in the extreme of either direction turns the channel off.

TIPS ON INSTALLATION

Do not put power supplies close to the preamp. Close proximity could cause hum. This is also true for the large power supply transformers located in power amplifiers and in some turntables. Before making any connections to PAM-3 make sure the volume is turned all the way down (counter clockwise). Our RCA connectors exating standards. Lesser quality connectors can damage them. Please check with your dealer if you have any doubts, as they are not subject to warranty if abused.

SPECIFICATIONS

Signal/noise ratio: 'A' weighted -110 db phono

Frequency response: D.C. -2 MHz

RIAA tracking: .1 dbv from 20 - 20 KHz

Overload: 1 KHz: 300mv phono stage

High level voltage swing 10 volts rms.

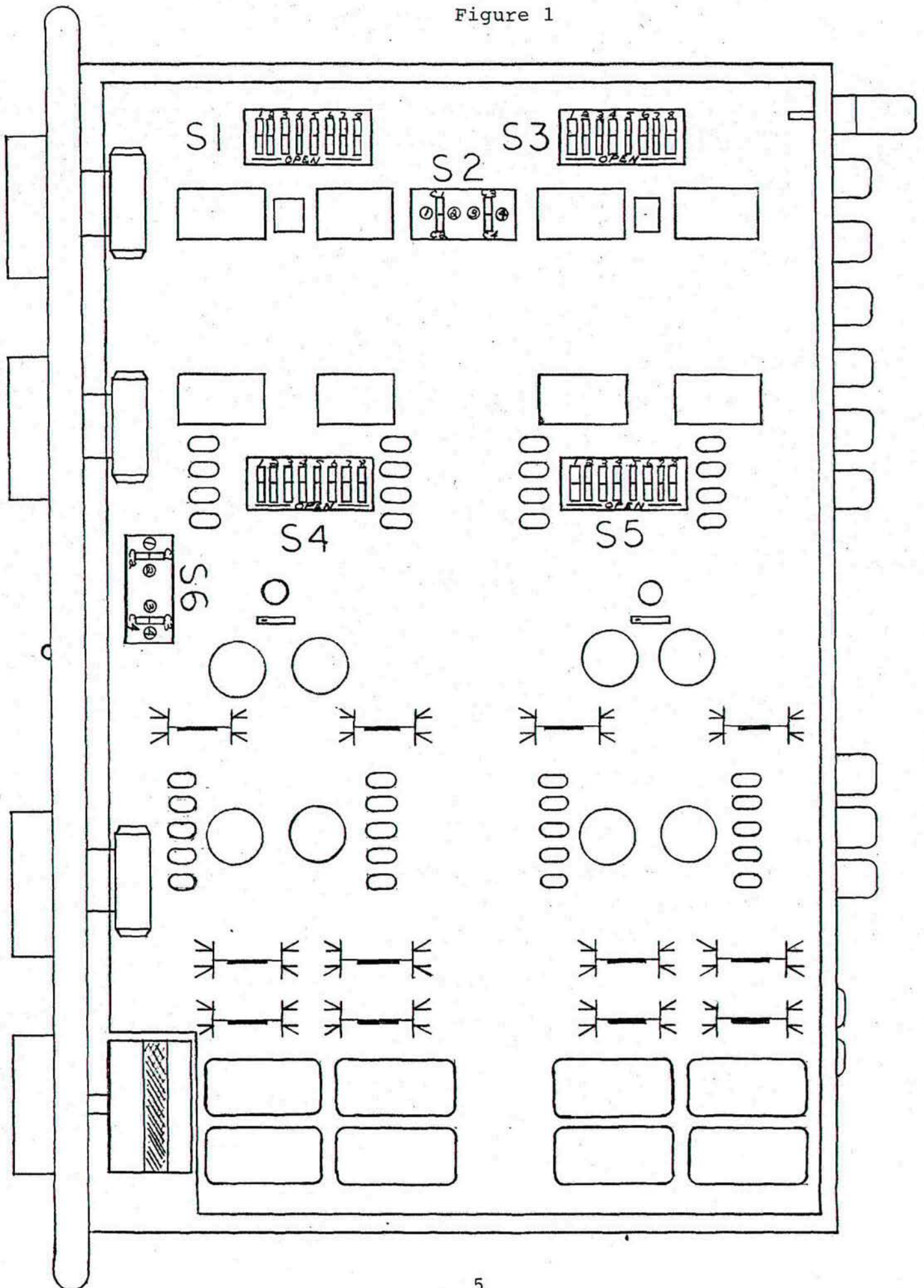
High level input impedance: minimum 10,000 ohms.

High level output impedance: 6 ohms

High level input impedance: minimum 10,000 ohms.

Warranty: PAM-3 has a limited warranty for a period of five years from date of purchase.

Figure 1



ADDITIONAL C.D. SETTINGS

P.S. Audio CDI	3-6-7-8 open 1-2-3-5 on
Nakamishi OMS-7	1-3-4-6-7 open 2-5-8 on
Magnavox 650	4-5-8 open 1-2-3-6-7 on
Stax Q	3-4-8 open 1-2-5-6-7 on
Mission 707	2-8 open 1-3-4-5-6-7 on
Yamaha	2-8 open 1-3-4-5-6-7 on
Adcom GCD-300	1-3-4-7 open 2-5-6-8 on
Kinergetics CDC 20A	3-4-5-8 open 1-2-6-7 on
McIntoch	3-4-5-6-7-8 open 1-2 on
Onkyo DX 330	4-5-6-7 open 1-2-3-8 on
Sony CDP-620ES	4-5-6-7-8 open 1-2-3 on
Denon DCD-1700	3-4-5-6-8 open 1-2-7 on

For newer generation C.D. players, please try any of the following settings:

1-5-6-7 open 2-3-4-8 on

4-5-6-7-8 open 1-2-3 on

3-4-5-6-7-8 open 1-2 on

For bypass of C.D. Filter use:

1-3-4-5-6-7-8 open 2 on

Using the auxillary input for the C.D. player will bypass all C.D. filtering circuitry.