

KRELL INDUSTRIES, INC.

KRS-1A PREAMPLIFIER

OWNER'S MANUAL

February 1, 1987

KRELL INDUSTRIES, INC



45 Connair Road
Orange, CT 06477-0533, USA

KRS-1A PREAMPLIFIER/SUPPLY ASSIGNMENT

KRS-1A Preamplifier Serial Number _____

should be connected to:

KRSP Power Supply Serial Number _____

Also,

KRS-1A Preamplifier Serial Number _____

should be connected to:

KRSP Power Supply Serial Number _____

KRS-1A PREAMPLIFIER

Thank you for purchasing the KRS-1A Preamplifier. The KRS-1A is the latest evolution in KRELLs' preamplifier technology and represents advances in circuitry sophistication and sonic quality not found in any other preamplifier at any cost. Two notable design features are its' completely monophonic operation and the absence of any capacitors in the signal path. Please read this instruction manual completely before using the KRS-1A. Its' installation and operation are very easy to understand and it will provide many years of trouble-free performance. Please be sure to return the enclosed warranty card.

UNPACKING

While unpacking the KRS-1A please inspect the units for shipping damage. If any damage is evident contact your dealer or the factory immediately. If the unit is in proper condition proceed with installation. In addition to the two preamplifier chassis and two power supply chassis you will find two short DC cables for connection between the supplies and preamps, and one allen driver to be used for removing the top cover and phono board. The purpose of these operations will be detailed below.

INSTALLATION

The KRS-1A is designed to be set up with the two preamp chassis sitting on top of the two power supplies. Before proceeding with the final installation please read the Phono Section Set Up and C.D. Section Set Up portions of the manual as they involve removal of the preamp top covers. This is much easier to accomplish before the entire preamp is in place. After completing set up of the Phono and C.D. sections place the four chassis where they will be permanently. Connect the two DC cables between the eight pin connectors on the supplies and the preamps. The AC cables can now be connected between the supplies and the AC mains.

You can now proceed with connection of the various source components in your system. The rear panel inputs follow, from left to right as viewed from the front, the assignment on the "Select" switch from phono to tuner, etc. Typically the top chassis is used for the left channel, the bottom one for the right channel.

After the inputs are the Record Outputs.

Last are two sets of Main Outputs. These operate in unison and are provided as a convenience for routing to two independent systems.

NOTES ON INSTALLATION

Be sure the volume controls are fully counterclockwise before making connections to the KRS-1A; also, the power amplifier(s) should be off while making connections. Place all power amps, C.D. players or other power supplies a reasonable distance from the KRS-1A as they might induce hum into the phono section. Our custom RCA connectors are made to very exact standards. Connectors of lesser quality can damage them or function improperly. Please check with your dealer or the factory as you could cause damage to your system or jeopardize your warranty.

PHONO SECTION SET UP

The KRS-1A is shipped with the phono section set up for a moving coil cartridge and loaded to 100 ohms. The loading can be changed with a set of internal switches. To access these switches the top cover of the preamps must be removed with the supplied allen driver. The phono section is located on the left side of the unit, as viewed from the front. In the middle rear of the phono PC board, which is mounted on standoffs, there is an 8 position switch.

The various load possibilities are detailed below:

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	=	10 ohms
all switches on		5 ohms

C.D. SECTION SET UP

The Compact Disc input of the KRS-1A is routed through an adjustable three pole phase correcting filter, a feature unique to KRELL preamps. The switches to adjust the filter are located underneath the phono section PC board. To access them, remove the phono section board by taking out the two screws holding the board in place with the allen driver. then simply slide the board forward out of its' connector and out of the preamp. The 8 position switch, identical to the phono loading switch, will now be visible. Below is a listing of settings for various C.D. players.

Kyocera 901	1, 2 open, 3, 4, 5, 6, 7, 8 on
Kyocera, other models	1, 3, 5, 6, 7 open, 2, 4, 8 on
Magnavox 650	4, 5, 8 open, 1, 2, 3, 6, 7 on
Meridian MCD & Pro	1, 6, 7 open, 2, 3, 4, 5, 8 on
NAD	1, 3, 4, 5, 6, 7 open, 2, 4 on
Nakamichi OMS 5 & 7	1, 3, 4, 6, 7 open, 2, 5, 8 on
Pioneer SCD 909	2, 3 open, 1, 4, 5, 6, 7, 8 on
PS Audio CD 1	3, 6, 7, 8 open, 1, 2, 4, 5 on
Sony 101 & 701 ES	1, 2, 3 open, 4, 5, 6, 7, 8 on
Sony CD 302	3, 4, 5, 6, 8 open, 1, 2, 7 on

If you do not find your player listed you can contact your dealer or the factory for settings. In general, if you have a Sony type unit adjust 1, 2, 3, 8 open, 4, 5, 6, 7 on; if you have a Phillips type unit adjust to 3, 4, 5, 6, 7 open, 1, 2, 8 on. These are average settings for the two systems.

After adjusting the C.D. filter replace the phono section board by reversing the removal procedure described above.

ADDITIONAL C.D. SETTINGS

P.S. Audio CDI	3-6-7-8 open 1-2-4-5 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

