



KSL-2
OWNER'S REFERENCE

A. INTRODUCTION

Thank you for your purchase of the KRELL KSL-2. The KSL-2 utilizes some of the latest evolutions in preamplifier technology. In the KRELL tradition, the KSL-2's exceptional sonic quality sets the standard, creating a new level of performance value.

To obtain the best performance from your KSL-2, careful attention should be paid to its placement, installation and operation. A thorough understanding of these details will help insure satisfactory operation and long life for the KSL-2 and related system components.

This Owner's Reference is divided into several sections, each designed to perform a different function. As you read through the Owner's Reference you will become better acquainted with the features and functions that make the KSL-2 a superb value. A Question and Answer section is included where answers to common questions are provided. Should you have any questions or suggestions please feel free to contact your authorized dealer or the KRELL staff for assistance.

In the unlikely event that your KSL-2 should require service, you will be pleased to know that it is backed by a comprehensive Customer Satisfaction policy and one of the most advanced service facilities in the industry. For detailed information on the terms and conditions of service, please consult your warranty registration card, or your authorized KRELL Dealer/Distributor.

B. TABLE OF CONTENTS

- 3 UNPACKING AND ASSEMBLY
- 4 BASIC INSTALLATION AND OPERATION
- 5 INPUT AND OUTPUT CONNECTIONS
- 6 BASIC PREAMPLIFIER OPERATION
- 8 QUESTIONS AND ANSWERS
- 10 SPECIFICATIONS
- 11 WARRANTY AND SERVICE INFORMATION

C. UNPACKING AND ASSEMBLY

1. Open the box and remove the top layer of foam. The KSL-2 and following items will now be visible:

- 1 T-15 torx key or 3/32 allen key
- 1 Warranty card
- 1 AC power cord
- 1 Owner's Reference

NOTE: If any of these items are not included please contact your authorized dealer immediately for assistance.

2. Remove the plastic bag from the preamplifier.

NOTE: Save all packing materials. If you must ship your KSL-2 in the future, repack the unit in its original packaging to prevent transit damage.

D. BASIC INSTALLATION AND OPERATION

1. Place the unit on a firm level surface free from excessive dirt or moisture. The KSL-2 is not particularly hum sensitive, therefore other components can be placed on or around the KSL-2. Care should be taken however if the optional phono board is installed. Motors, power supplies and some digital devices can induce hum through the phono board.

2. Plug the AC cord into the receptacle on the back of the unit. Plug the remaining end into the wall AC receptacle. The pilot LED will illuminate.

NOTE: While the KSL-2 has superb regulation and does not require a dedicated AC circuit, we strongly advise against any connections through extension cords or multiple AC adaptors. High quality 15 amp line conditioners or grounded AC strips are acceptable.

NOTE: The KSL-2 is designed to be left ON at all times.

OPTIONAL PHONO OPERATION

The KSL-2 has an optional phono board available. The phono board is swichable for Moving magnet and Moving coil phono cartridges. Should the phono board be ordered at a later date, a full description of installation and operation is supplied with the phono board.

1. With phono board installed, set the input impedance loading of the phono cartridge to the load impedance closest to the manufacturer's specification. The unit comes factory set to 100 ohms in the Moving coil switch position. Follow the instructions in the KSL-2 Phono Manual for exact set-up description should changes be necessary .

E. INPUT AND OUTPUT CONNECTIONS

CAUTION: When making connections to this component or any other, make sure the power amplifier is OFF.

CAUTION: Make sure all cable terminations are of the highest quality, free from frayed ends, shorts or cold solder joints.

1. Connect the left and right outputs of your source components to the inputs on the KSL-2. The KSL-2 is equipped with two single-ended inputs, two balanced capable inputs, a single-ended tape input and tape output.

The single-ended and balanced inputs are labeled S-1 and S-2, B-1 and B-2 respectively, to allow customization in the set-up of your system. The Tape input is labeled TAPE IN, the Tape output is labeled TAPE OUT. There is no difference between the two single-ended inputs, or between the two balanced inputs. If you have the optional phono board installed, it will utilize the S-1 input including the external phono ground connector. The external phono ground connector is labeled GND. You cannot use the S-1 input connectors as a line level input when the phono board is installed.

2. Connect the output of the KSL-2 to the input of your power amplifier. The KSL-2 has both Balanced outputs via standard XLR connectors and single-ended outputs via standard RCA connectors.

The pin assignment for the XLR connectors is:

- pin 1 = shield (ground)
- pin 2 = non-inverting input (hot)
- pin 3 = inverting input

NOTE: The RCA center conductor for each channel is wired in parallel with pin 2, the non-inverted output. Only one of these outputs should be connected to a single stereo amplifier.

NOTE: When connecting inputs or outputs to the KSL-2, remember the balanced connections will have 6dB of gain more than the single-ended connections. When level matching is critical in your install, keep this specification in mind.

F. BASIC PREAMPLIFIER

OPERATION

1. Select the Mute position on the KSL-2.
2. Turn the volume control fully counterclockwise to the Off position.
3. Turn the power amplifier On. Be sure the KSL-2 is on at this point. If the KSL-2 is not powered at this time, turn the amplifier Off and plug the KSL-2 into the wall AC receptacle. Resume operation sequence.
4. Choose a listening source and select that input with the select switch on the KSL-2.
5. Start play of the source.
6. Slowly turn the volume control clockwise until you reach a comfortable listening level.
7. When changing sources, return to the Mute position and/or lower the volume. This insures that the next source you play will not be potentially damaging to your system with a high output transient.
8. Enjoy

REAR PANEL DESCRIPTION

INPUTS

Two single-ended inputs via standard RCA connectors

S1- Dedicated to Phono input if board is installed
S2

Two balanced inputs via standard XLR connectors

B1
B2

TAPE

Tape input via standard RCA connectors

TAPE OUTPUT

Record via RCA connectors

MAIN OUTPUTS

Single-ended RCA output connectors
Balanced XLR output connectors

XLR input and output pin configuration

pin 1 Ground (shield)
pin 2 0 degrees (non-inverting)
pin 3 180 degrees (inverting)

G. QUESTIONS AND ANSWERS

Q. When I turn up the volume on the KSL-2 a loud hum is present from the loudspeakers. What could it be?

A. Hum can be caused by several different disturbances. Check to make sure all of the cables in and out of the KSL-2 are sound and making proper contact. Make sure there are no power supplies or hum inducing components on top of or directly below the KSL-2.

You also could be experiencing a ground loop in the system. A ground loop can be caused when several components with different ground potentials are in the system. Ground loops can often be easily corrected. Consult your dealer or KRELL for system grounding considerations.

Q. Can the KSL-2 be used to control more than one system?

A. Yes, the KSL-2 has both single-ended and balanced outputs that can be used simultaneously to control two separate systems.

Q. When I select the B1 input on the KSL-2, one channel seems to have less gain than the other. Is something wrong with the preamp?

A. More than likely there is not a problem with the KSL-2. The balanced input or output internal cable terminations could be incorrect. Switch the suspect cable to the other channel and vice versa to determine whether a cable is defective. If the problem switches to the other channel, it is a defective cable. If the problem does not move to the other channel and remains the same after cables have been switched, check the wiring at the input of the KSL-2 with the same process. If it is not cable or source related call your dealer or KRELL.

Check to make sure the balance control is in the fully upright position.

Q. Why do I have to turn up the volume so high to get music at a normal listening level?

A. If your system does not seem to have enough gain over all, you are probably not utilizing the balanced input or output capabilities of the KSL-2. For every balanced termination on the KSL-2 you increase the gain by 6dB.

Q. I came home one evening and the pilot LED in the KSL-2 was not illuminated. What should I do?

A. Unplug the KSL-2 from the wall AC receptacle and check the fuse in the rear panel. If there is a break in the wire inside the fuse, replace it. If there is no break in the fuse, do not try turning on the preamplifier or replacing the fuse. Call your dealer or KRELL. If the new fuse lets the unit turn on when you plug it in, then fails shortly afterward, call KRELL Industries. If the fuse solves the problem, carry on listening as usual.

H. SPECIFICATIONS

GAIN

7.5dB

SIGNAL-TO-NOISE

< -90 dB unweighted

THD

1K < 0.01%

20K < 0.01%

INPUT IMPEDANCE

47,000 ohms(47K)

OUTPUT IMPEDANCE

11 ohms

OUTPUT VOLTAGE

8 volts R.M.S.

DIMENSIONS

19" WIDE

14" DEEP

2.5" HIGH with feet

WEIGHT

| | |
|-----------|-----------|
| Unit only | 19 pounds |
| packed | 24 pounds |

I. WARRANTY AND SERVICE INFORMATION

There are no user-serviceable parts inside the KSL-2. The KSL-2 has a limited warranty of five years parts and labor. Return freight is included in the warranty. The warranty period begins on the date of purchase and is activated with the return of the enclosed Warranty Card and a copy of the Sales receipt. Please return the warranty card immediately after successful installation and operation are completed.

The warranty for Krell products is valid **only** in the country to which they were originally shipped and at the factory. If you think there are problems with your unit, please contact your dealer, distributor or the factory immediately.

The operating voltage of this unit is determined by the factory and can only be changed by an authorized KRELL distributor or the KRELL factory. Any unauthorized voltage conversion will void the warranty. Should the operating voltage of your KSL-2 require changing, contact KRELL Industries.

Please do not return any unit to KRELL for repair without first calling to discuss the problem and to obtain a Return Authorization number. Freight to the factory or distributor is your responsibility. Return freight to you will be paid by the factory or distributor. Any unauthorized disassembly, updates or modifications performed to the unit will void the warranty.



KRELL INDUSTRIES

45 Connair Road Orange, CT 06477

Sales 203-799-9954 Fax 203-799-9796

COPYRIGHT 1992 KRELL INDUSTRIES

(KSL-29212)