



Krell Industries, Inc.
35 Higgins Drive
Milford, CT 06460, USA

KRELL KSA-5 OWNER'S MANUAL, SEPTEMBER 1, 1991

A. INTRODUCTION

Thank you for your purchase of the KRELL KSA-5 dedicated headphone amplifier. The KSA-5 is a high performance headphone amplifier designed to work with any quality headphone. This Owner's Manual will discuss the features and functions of the KSA-5 along with critical installation information.

In the unlikely event that your KSA-5 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 Distributor.

B. TABLE OF CONTENTS

UNPACKING AND ASSEMBLY

BASIC INSTALLATION AND CONNECTIONS

OPERATION

WARRANTY AND SERVICE INFORMATION

C. UNPACKING AND ASSEMBLY

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

- 1 KSA-5 headphone amplifier
- 1 KSA-5 power supply
- 1 DC power connecting cable
- 1 warranty card
- 1 AC power cord

Note: Save all packing materials. If you must ship your KSA-5 in the future, repack the unit in its original packaging to prevent transit damage.

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

2. Remove the plastic covering on the KSA-5, DC power cable and power supply.

D. BASIC INSTALLATION AND CONNECTIONS

1. Place the KSA-5 on a firm level surface away from excessive dirt or moisture.

2. Connect the DC power cable to the DC input on the KSA-5. Connect the other end of the cable to the KSA-5 power supply.

3. Keep the KSA-5 power switch in the OFF/down position and connect the power cord to the AC input on the power supply. Once the power cord is secured to the power supply connect the other end to the AC wall receptacle.

NOTE: The KSA-5 is equipped with a long DC cable so the power supply can be placed away from hum sensitive components like preamplifiers.

The KSA-5 is a Class A power amplifier and should be placed in a convenient, well-ventilated space close to your headphone listening area.

4. KSA-5 Line Level Input & Output Connection Information

Because the KSA-5 does not have a preamplification stage it needs to be driven from a source component with a variable output. Best results will be obtained when driven by a preamplifier output stage.

Most preamplifiers have two sets of main outputs, one of which is usually unused. We suggest connecting the KSA-5 to the unused output. If the second set of outputs is a fixed-level output it cannot be used.

The KSA-5 is designed with a "through-put" input/output system. The through-put is an output connected directly to the input. This allows the Direct Output to be used for connection to the input of a power amplifier if there are not two independent variable preamplifier outputs, or as the installation requires.

The through-put output of the KSA-5 is always operational whether the KSA-5 is on or off. When playing your primary audio system keep the KSA-5 in the OFF position.

CAUTION: If you are using a source device such as a tape deck or CD player make sure there is a variable output to control the headphone level. The output levels attained by a fixed source can be high enough to damage your headphones or, more importantly, your hearing.

5. Based on the information provided above, make the necessary input (and output) connections appropriate for your system.

6. Connect your headphones to the output of the KSA-5.

CAUTION: Always keep your preamplifier in the mute or standby position and the KSA-5 off while making input or output connections.

The KSA-5 accommodates several different output connections:

- a. 2 Standard locking 1/4 inch phone jacks
- b. 1 standard 3-pin XLR connector
- c. 1 pair of standard 5 way binding posts to accommodate STAX type earspeakers.

The KSA-5 is a powerful headphone amplifier capable of driving several pairs of headphones at once.

CAUTION: Do not connect the KSA-5 to any loudspeakers. It is not designed for this application, which could damage the unit or speakers.

E. OPERATION

1. Once you have made input and output connections flip the front panel switch to the ON position. The LED on the front panel will illuminate. A few seconds later you will hear a soft clicking noise. This noise is the protection relay turning on.

2. Select the appropriate input on your preamplifier and source material.

3. Play the source at low level to confirm that all connections to and from the KSA-5 are correct.

4. Find a volume level that is comfortable and enjoy.

5. When you have finished listening turn the KSA-5 off. The power supply should remain plugged in at all times.

NOTE: For the protection of your KSA-5 we recommend disconnecting the AC cord from the wall outlet before any electrical storms or if you plan on being away from your home for prolonged periods of time.

F. WARRANTY AND SERVICE INFORMATION

There are no user-serviceable parts inside the KSA-5. The KSA-5 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 all 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.

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.