



LINN LK 100
OWNERS MANUAL



MUSIC is very important for people. It stimulates the imagination, helps them relax, can change their mood, and of course provides entertainment and pleasure.

A good hi-fi works well enough to deliver these benefits. It also helps you appreciate music you never thought you would.

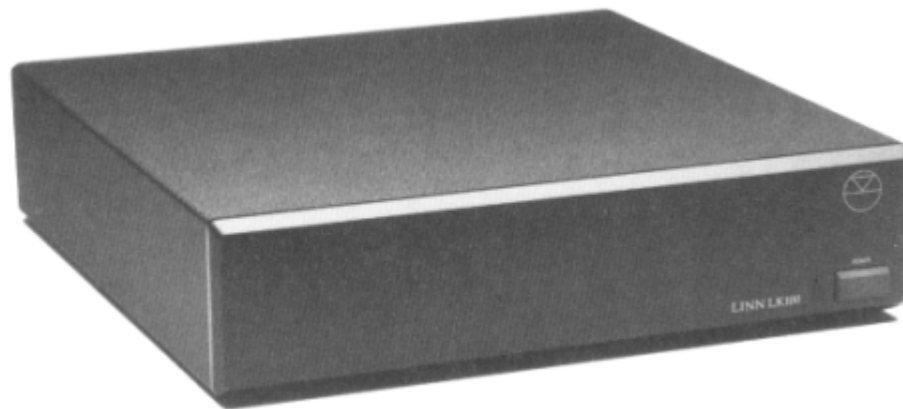
At Linn we devote our energy to improving standards of music reproduction, because we know that the better the sound the more you'll enjoy music at home.

The addition of any Linn component will improve the sound quality of your system. Linn has a policy of continuously improving, its equipment allowing customers to retro-fit most product upgrades.

INTRODUCTION The LK100 uses the highest quality components and the latest surface mount technology in order to achieve an excellent sound in your home.

The eight speaker sockets of the LK100 facilitate bi or tri wiring. It is ideally suited for use with the Linn Kairn preamplifier, and makes the performance of active systems accessible to more customers than ever before. The input/output facilities also enable the LK100 to work in multi-room hi-fi systems.

As with any amplifier, the LK100 will perform at its best when used with the highest quality source. The better the sound from your turntable, tuner or CD player, the better the sound you will hear from the other components in the system.



INSTALLATION Unpack the LK100 and retain the packing for future transportation. Ensure that the amplifier is earthed and that adequate ventilation is provided. Position the amplifier at least 15cm (6") from the turntable to avoid hum.

CONTENTS

LK100 Power Amplifier	Owner Manual
Mains Lead	Spare Fuses
2 x Pairs Loudspeaker Plugs	

VOLTAGE SELECTION The LK100's transformer must be set to the voltage of the country of use – see below:

WARNING - ENSURE MAINS SUPPLY IS DISCONNECTED

To set the voltage, rotate the voltage selector on the underside of the product until the appropriate voltage is aligned with the white marker.

WARNING Use the earthed moulded mains lead supplied. Never use an unearthed plug or adapter.

WARNING **THIS APPLIANCE MUST BE EARTHED**

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire that is coloured green-and-yellow must be connected to the terminal in the plug, which is marked with the letter E, or the earth symbol, or coloured green or green-and-yellow.

The wire that is coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire that is coloured brown must be connected to the terminal marked with the letter L or coloured red.

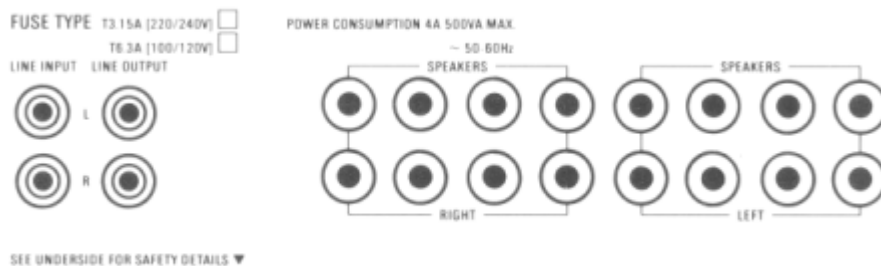
INPUT CONNECTIONS

WARNING The pre-amplifier and the power amplifier must be switched off before connecting or disconnecting any of the plugs on the rear panel.

For all input connections, ensure that the left channel plug from the source is connected to the left channel socket on the pre-amplifier, and the right channel plug to the right channel socket on the pre-amplifier.

There are two sets of RCA phono sockets on the rear of the LK100, labelled **LINE INPUT** and **LINE OUTPUT**. These phono sockets enable the signal to be chained from one 1K100 to another in multi-amplifier applications.

In a system with a single power amplifier the signal from your pre-amplifier should be routed to the **LINE INPUT** sockets of the LK100. The **LINE OUTPUT** sockets will remain unused.



If you have speakers that allow passive bi-amplification or tri-amplification (or if you are using multiple LK100s to drive several sets of speakers), the signal from the pre-amplifier is routed to the **LINE INPUT** sockets of the first LK100. The signal is then chained to the second LK100 by connecting an RCA phono interconnect cable from the **LINE OUTPUT** of the first LK100 to the **LINE INPUT** sockets of the second LK100. This connection procedure is repeated for each LK100 in the chain.

CAUTION When passively bi-amping or tri-amping loudspeakers remove any connecting links that are at the speaker input terminals. Failure to do this will short the amplifier outputs together and may damage the power amplifier.

OUTPUT CONNECTIONS

There are four sets of speaker outputs on the rear of the LK100. This simplifies the bi-wiring of speakers such as the Linn INDEX, HELIX or NEXUS.

Whether you are using single speaker cable, bi-wiring or tri-wiring, the 4mm plugs supplied should be properly soldered to good quality cable. For best results we recommend Linn K20, K400 OR K600 loudspeaker cable which is available through your authorised Linn retailer.



Please note that speaker cable is directional and will perform better when orientated in the proper direction. linn speaker cable is imprinted with a circular linn logo followed by the model number of the cable. When the cable is properly orientated, the circular logo will point towards the loudspeakers.

THE LINN PERFORMANCE ADVANTAGE

For more information on the performance advantages of bi-wiring, tri-wiring, passive bi-amplifiers and Aktiv multi-amp systems, consult your local authorised Linn retailer.

There are two levels of electronic overload protection in the LK100. The first is an over-current sensor, which protects against short circuits on very low impedance loads. The other is an over-temperature sensor, which protects against inadequate ventilation. The internal temperature sensor shuts the amplifier down if the sensor reaches 70 degrees centigrade.

To re-set the LK100, switch off and wait until the POWER light goes out (approximately 40 seconds). The amplifier will re-set itself and resume working.

LOAD IMPEDANCE The LK100 will drive two pairs of 8 ohm loudspeakers or one pair of 4 ohm loudspeakers. You can use the LK100 to drive two pairs of 4 ohm loudspeakers, but this may cause the over-current protection trip to operate at moderate volume levels. However, this will in no way damage your LK100.

GENERAL SYSTEM INSTALLATION

TURNTABLES For best results a turntable should be placed on a small, light, rigid table, or alternatively wall mounted on a light, rigid shelf.

KARIK AND NUMERIK The KARIK and NUMERIK should be positioned on a level surface. Extensive internal screening in the KAIRN preamp, KREMLIN tuner, KARIK and NUMERIK facilitates stacking the products one on top of the other without interference, if desired.

POWER SUPPLIES Take care not to position too close to signal leads, turntables or pre-amplifier.

AMPLIFIERS Pre and power amplifiers may hum if positioned too close together. For minimum hum experiment by moving the components with the system at full volume but not playing music (although it is best to turn the volume down whilst actually moving the components).

LOUDSPEAKERS Loudspeakers should be positioned correctly. They should be mounted on rigid stands and not subject to any rocking movement. All Linn speakers except NEXUS and HELIX are designed to be placed very close to the wall.

CLEAN CONTACTS It is important that the electrical contacts in a hi-fi system are kept mechanically sound and clean. Occasionally unplugging and replugging all the connectors will effectively clean contacts,

WARNING This should be carried out after the mains supply has been switched off.

INTERCONNECT LEADS Correct cables should be used. We recommend good quality copper cable for interconnect leads and advise 4mm² multicore copper cable, such as Linn K20 for speaker leads. Your Linn dealer can supply high quality interconnects for linking all your hi-fi components.

MAINTENANCE

FUSE PROTECTION A fuse is fitted to the power input socket on the rear of the LK100. The fuse holder also contains one spare fuse.

The Linn LK100 power amplifier is designed for a long life and any servicing should be carried out by an authorised dealer.

CLEANING Dust or finger marks can be removed using a soft damp cloth. Avoid the use of domestic cleaning products.

GUARANTEE & SERVICE

This product is guaranteed under the conditions that apply in the country of purchase.

In addition to any statutory rights the customer may have, we undertake to replace any parts that have failed due to faulty manufacture. To help us please ask your retailer about the Linn warranty scheme in operation in your country.

In the UK and other markets, extended warranty is offered to customers who register their purchase with Linn. A Registration Card can be obtained from your retailer and should be stamped by him. This will also enable you to receive the Linn RECORD Newsletter and details of music available from Linn.

WARNING Refer all enquiries to authorised dealers only. Unauthorised servicing or dismantling of the product invalidates the manufacturer's warranty.

If you are in any doubt, please contact your nearest Linn dealer. For information on your nearest dealer, contact the Linn factory in Scotland or your national distributor.

IMPORTANT

Please keep a copy of the sales receipt to establish the purchase date of the product.

Please ensure that your equipment is insured by you during any transit or shipment for repair.

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SPECIFICATIONS

DIMENSIONS

Width - 320mm Depth - 326mm Height - 80mm

Weight - 7kg

INPUTS

Sensitivities for 20 V rms output (50 Watts per 8 ohms) at 1 Hz

Input: 741mV rms / 4.7Kohms

OUTPUTS

Maximum power: 50 Watts/8 ohms per channel
 80 Watts/4 ohms per channel

MAINS SUPPLY/FUSE

115V and 100V	6.3A
240V and 220V	3.15A

POWER CONSUMPTION

300VA maximum, 15W idling