

LINN



INTEK OWNERS MANUAL

I NTRODUCTION. Thank you for buying this Linn product. The Linn INTEK was designed and manufactured to provide better sound quality than other high-quality integrated amplifiers. It is capable of excellent sound performance when partnered with high class equipment.

The INTEK is made with top quality components and is thoroughly tested before it leaves our factory. Its wide range of useful facilities include separate listen and record facility, connections for two sets of loudspeakers (one switched and one direct), a headphone socket, and a mono and mute switch.

The INTEK has six inputs, and a low-noise phono input which can be used with either moving magnet or moving coil cartridges.

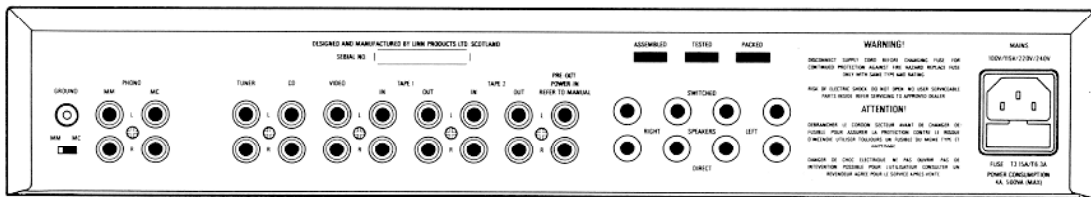
The INTEK's preamp section can be used on its own as can the power amp section. Split volume control gives a simple balance facility.



INSTALLATION. Unpack the amplifier, retain the packing for future use. Ensure that the amplifier is grounded and that adequate ventilation is available. Position the amplifier far enough away from the turntable to avoid hum.

INPUT CONNECTION

All the inputs on the INTEK are RCA phono and good quality leads should be used when connecting other signal sources to the amp. Your dealer will be able to supply all the necessary interconnect leads.



Take care to ensure that the left plug is connected to the left socket and that the right plug is connected to the right socket.

There is a binding post for the earth connection beside the phono inputs. Underneath this binding post there is a switch for moving coil and moving magnet selection.

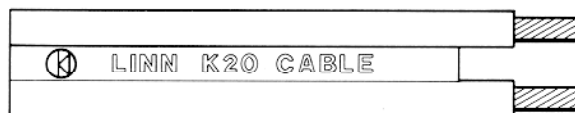
According to which type of cartridge you have, plug the turntable phono leads into the socket marked either **MM** (moving magnet) or **MC** (moving coil). Slide the selector switch to the appropriate setting.

NOTE: The amplifier should be switched OFF before moving the phono input selector switch.

LOUDSPEAKER CONNECTION

The 4mm plugs supplied should be properly soldered to good quality cable. For best results we recommend Linn K20 loudspeaker cable.

Linn K20 cable is marked with the Linn logo to indicate directionality. The wires shown should be connected to the INTEK amplifier and the other end, marked by the circular logo, connected to the loudspeakers. The positive wire is identified by a rib along the side of the cable.



The lower set of loudspeaker connectors are directly connected to the power amplifier and will give the best performance. The upper set can be used for remote (secondary) loudspeakers or when it is necessary to switch the loudspeakers off to use headphones.

PRE OUT, POWER IN

It is possible to drive another power amplifier from the INTEK preamp section. It is also possible to drive the INTEK power amplifier from another preamp.

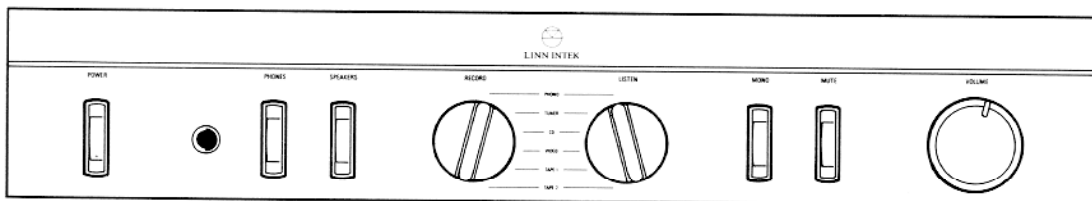
To connect an external power amp all you need to do is connect the input of the amp to the 'pre-out' 'power-in' socket of the INTEK.

NOTE: The INTEK and the power amplifier must be switched off before connection is made.

To use the power amp section of the INTEK with another preamp is more complicated and should only be effected by your Linn dealer. Details are given in the Dealer Information Section at the back of this manual.

OPERATION AND CONTROLS. When the **POWER** button is depressed an **LED** will light up immediately and the amplifier will operate a few seconds later.

Most types of headphone can be connected to the INTEK. The **PHONES** switch turns headphones on and off without affecting anything else.



The **SPEAKER** switch controls the switched speaker sockets on the back panel of the INTEK.

The **RECORD** switch selects which source is fed to the two pairs of tape output sockets.

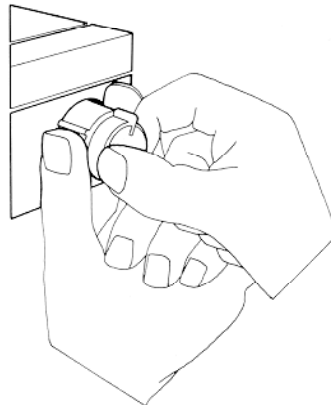
NOTE: When recording, make sure that you do not switch the **LISTEN** selector to the tape which you are using to record as it will result in a lot of unpleasant feedback from the tape machine. The **LISTEN** switch selects which signal source is fed to the loudspeakers.

The **MONO** switch converts all signals fed to the loudspeakers to mono ie. adds them all together.

MUTE completely silences the loudspeakers without affecting the volume control setting.

VOLUME AND BALANCE

This controls the listening level and the left/right balance. To alter the left/right balance, grasp the outer part of the knob and rotate the inner part until the required balance is achieved.



FUSE DETAILS. To check the fuse unplug the mains cord and, using a small screwdriver, flick out the fuse carrier on the mains inlet connector. Check the fuse and replace if necessary with the spare one provided.

If another fuse blows then there is a fault with the INTEK and the complete amplifier should be returned to your Linn dealer.

AMPLIFIER OVERLOAD PROTECTION. There are two levels of electronic protection in the INTEK. One is an over-current sensor which protects against short circuits or very low impedance loads.

The other is an over temperature sensor which protects against inadequate ventilation. The internal temperature sensor will shut the amplifier down if the sensor reaches 70 degrees centigrade.

To re-set, you should switch the INTEK off for a few minutes and then switch it back on. The amplifier will have re-set itself and will carry on working normally.

LOAD IMPEDANCE. The INTEK will drive two pairs of 8 ohm loudspeakers without any problem. Two pairs of 4 ohm loudspeakers may cause the over-current protection trip to operate at moderate volume levels.

One 8 ohm and one 4 ohm pair of loudspeakers are less likely to trip the amplifier.

No combination of loudspeakers will cause damage to the INTEK.

GUARANTEE AND SERVICE The unit is guaranteed under the conditions which apply in the country of purchase. In addition to any statutory rights the customer may have, we undertake to replace any parts which have failed due to faulty manufacture. Keep a copy of the sales receipt as this will establish the purchase date. Refer all enquiries to authorised dealers only.

For information on your nearest dealer, contact the Linn factory in the UK or an overseas distributor.

OWNER REGISTRATION Please return the enclosed registration form to Linn Products, if you are resident in the UK, or to your national distributor outside the UK. We will add your name to our mailing list and send you regular news about Linn and hi-fi developments in general.

SPECIFICATIONS. All sensitivities for 20Vrms output (50W per 8 ohms) at 1kHz at maximum volume.

INPUTS

Moving magnet and moving coil cartridges (switch selected).

MM: Sensitivity – 2.1mV Load – 47k ohms//80pF

MC: Sensitivity – 210uV Load – 100 ohms//4.7nF

All auxiliary / tape inputs (5 in total)

Sensitivity 190mV/10k ohms

Maximum input 14V peak

Power amp/preamp input: Sensitivity – 500mV 100 ohm output impedance

OUTPUTS

Maximum output power 50 Watts / 8 ohms per channel

80 Watts / 4 ohms per channel

Tape outputs = auxiliary input level (Unity gain) 600 ohms output impedance.

Headphones – 30V peak output, 330 ohms output impedance.

MAINS SUPPLY/FUSE

100V/T6.3A, 115V/T6.3A, 220V/T3.15A, 240V/T3.15A.

Set by factory fitted transformer option.

POWER CONSUMPTION

300VA maximum, 15W idling.

DIMENSIONS

Width – 430mm Depth – 350mm Height – 90mm.

WEIGHT

7.5kg.

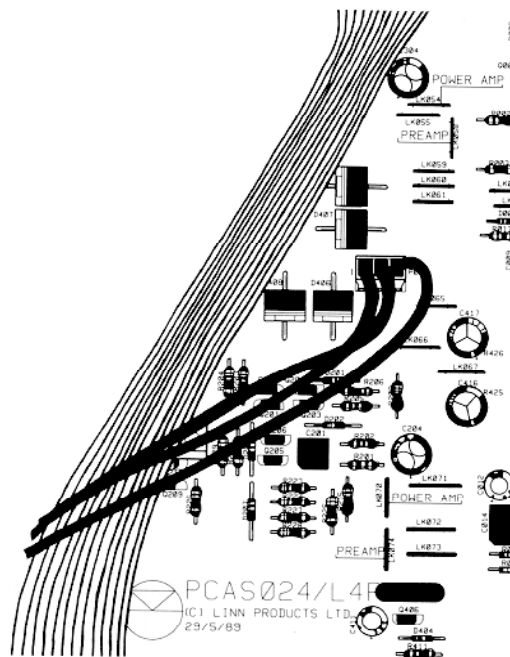
IMPORTANT

Unauthorised servicing or dismantling of this amplifier will invalidate the manufacturer's warranty. If you are in any doubt please contact your nearest Linn dealer.

DEALER INFORMATION SECTION

USE OF INTEK WITH ANOTHER PREAMPLIFIER

- A** Disconnect the mains supply and remove the INTEK top cover (2 socket head-screws on each side).
- B** Identify the wire link marked LK058 (PREAMP). This is almost directly to the rear of the power amplifier transformer connector. Using wire cutters, cut this link and slightly separate the two halves.
- DO NOT REMOVE THE LINK.**



C Identify the wire link marked LK074 (PREAMP). This is located just above the Linn logo and board identification text. As above, cut the link and slightly separate the two halves. **DO NOT REMOVE THE LINK.**

D Re-fit the cover and connect the amplifier to the system.

A signal from an external pre-amplifier can now be fed directly into the INTEK power amplifier stages using the Pre-out/Power-in sockets.

If at some future time it is required to return the INTEK back to its original state, remove the power amp top cover, push and solder the two links back together.

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