



LINN SEKRET

IN-WALL LOUDSPEAKER
OWNER'S MANUAL

Year 2000 Compliance

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IMPORTANT SAFETY INFORMATION

Explanation of symbols used in this manual and on the product :



This symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure of sufficient magnitude to cause electric shock.



This symbol is intended to alert the user to the presence of important maintenance and servicing information in the instruction and service manuals.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER.
NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: SHOCK HAZARD. DO NOT OPEN.
AVIS: RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR.

CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE.

CAUTION: DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE.
ATTENTION: DEBRANCHER AVANT DE REMPLACER LE FUSIBLE.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

General Safety Instructions :

1. Read Instructions. Read the safety and operating instructions before operating the appliance.
2. Retain Instructions. Retain the safety and operating instructions for future reference.
3. Heed Warnings. Observe all warnings on the appliance and in the operating instructions.
4. Follow Instructions. Follow all operating and use instructions.
5. Water and Moisture. Do not use the appliance near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool and the like.
6. Carts and Stands. Use only with a cart or stand that is recommended by the manufacturer.
- 6a. An appliance and cart combination should be used with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.
7. Wall or Ceiling Mounting. Mount to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation. Site the appliance so that its location or position does not interfere with its proper ventilation. For example the appliance should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings; or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat. Site the appliance away from heat sources such as radiators, heaters, stoves or other appliances (including amplifiers) that produce heat.
10. Power Sources. Connect the appliance to a power supply only of the type described in the operating instructions or marked on the appliance.
11. Grounding or Polarisation. Do not defeat the precautions taken to ground or polarise the supply to the appliance.
12. Power Cord Protection. Route power cords so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, power sockets and at the point where they exit from the appliance.
13. Protective Attachment Plug. As a safety feature the product is equipped with an attachment plug containing overload protection. See the instruction manual about resetting or replacing the plug. Should the plug need replacing ensure that a replacement is used which has the same overload protection as the original.
14. Cleaning The product should be cleaned only as recommended by the manufacturer.
15. Power lines. An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding. If an outdoor antenna is connected to the tuner/receiver ensure that the antenna system is grounded to provide some protection against voltage surges and static build up.
- In the USA see article 810 of the National Electrical Code ANSI/NFPA 70 concerning installation requirements.**
17. Non use periods. Unplug the power cord from the outlet if the product will be unused for a long period of time.
18. Objects and liquid entry. Take care not to let objects or liquids fall into the product.
19. Damage requiring Service. The product should be serviced by qualified personnel if :
 - a. the power cord or plug has been damaged.
 - b. objects or liquid have fallen into the product.
 - c. the product has been exposed to rain.
 - d. the product does not appear to operate normally or exhibits a marked change in operation.
 - e. the product has been dropped or the enclosure damaged.
20. Servicing. Don't attempt to service the product beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

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WARRANTY AND SERVICE :

This product is warranted 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. To help us please ask your Linn retailer about the Linn warranty scheme in operation in your country.

Warning : Refer all enquiries to authorised Linn retailers only. Unauthorised servicing or dismantling of the product invalidates the manufacturer's warranty.

If you are in any doubt please contact your nearest Linn retailer. For information on your nearest Linn retailer contact the 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.

Designed and manufactured by :

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MUSIC enriches your life. It can stimulate you, relax you, change your mood and provide entertainment and pleasure.

A good hi-fi plays recorded music well enough to give you these benefits, and it will broaden and deepen your appreciation of music.

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

The addition of any Linn component will improve the sound quality of your system.

We have a policy of continuously improving our products and, wherever possible, make these improvements available as upgrades.

INTRODUCTION Thank you for choosing the Linn SEKRITE in-wall loudspeaker. The SEKRITE combines practicality, performance and style, allowing high quality audio to be produced whilst remaining virtually invisible by being concealed in a plasterboard/wood construction partition wall. The SEKRITE is suitable either for use in your primary listening room, a secondary room as part of a multi-room system, or as front or rear loudspeakers in a surround sound system.

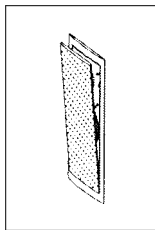
The full Linn upgrade path is possible, each stage providing a notable improvement in acoustic performance, from bi-wiring through bi-amping to full active.

Your SEKRITE loudspeakers have been built to last, and they will give you many years of listening pleasure.

GENERAL INFORMATION If you have chosen to install your SEKRITs yourself, follow the detailed INSTALLATION MANUAL supplied with your loudspeakers. If you have any problems, please ask your Linn retailer to help. Linn retailers and their staff have been extensively trained to ensure that they have the knowledge and expertise to get the best possible sound from our equipment, so it makes sense for you to call on this skill whenever you need it.

GRILLES

The SEKRIT is fitted with a perforated steel grille designed to have the minimum influence on sound quality. The grille and outside frame of the front baffle can be spray painted to a colour of your choosing whilst using the cardboard cover to protect the drive units. For full instructions consult the INSTALLATION MANUAL. The grille is removed by prising it off with a sharp implement inserted into one edge. Once removed, take care not to touch the drive units - in particular the small high frequency unit - or permanent damage will result.



CONFIGURATION

The Linn SEKRI^Ts are versatile loudspeakers and can be used in a wide range of configurations, each with a distinct performance advantage. This makes it easy for you to develop your system over its lifetime, without having to change any major component. The configurations possible are:

- SINGLE-WIRED
- BI-WIRED
- BI-AMPLIFIED
- BI-AMPLIFIED AKTIV (dealer install only)

In the SINGLE-WIRED configuration, a single amplifier drives each loudspeaker through a single loudspeaker cable. This configuration can be improved upon at relatively little cost by bi-wiring the loudspeakers.

BI-WIRING improves the performance of a loudspeaker. A single amplifier is still used, but this drives each loudspeaker through two loudspeaker cables, one for the bass/midrange section, and one for the treble section. By separating the cables to these sections, interaction between the bass and treble currents is reduced. The extra cost of an additional pair of loudspeaker cables is more than justified by the improvement in sound quality gained. Your SEKRI^Ts are supplied single-wired but can be easily converted to bi-wired mode by removing the two wire links fitted to the input terminals at the back of each loudspeaker. All Linn amplifiers are fitted with bi-wire terminals as standard, making this wiring option particularly simple.

In the BI-AMPLIFIED configuration, two amplifiers are used to drive the speakers, such that the bass/midrange and treble sections of each loudspeaker are individually powered by a dedicated amplifier section. Each amplifier then carries only bass or treble current, which further reduces interaction and loading of the amplifiers.

The BI-AMPLIFIED AKTIV configuration delivers the ultimate performance potential of your SEKRIT loudspeakers. A SEKRIT AKTIV crossover is used to divide the signal from the pre-amplifier into two frequency bands, and feed each to its own power amplifier. The loudspeaker drive units are directly controlled by the power amplifiers. By processing the music before the power amplifier, the SEKRIT AKTIV crossover allows better filtering and more accurate amplitude response correction for the loudspeaker than is possible with a passive crossover. If you use the Linn KLOUT, LK100 or MAJIK-I amplifiers, the AKTIV circuitry can be added inside the power amplifiers, giving substantial savings in cost, wiring complexity and space. If you intend starting with a passive configuration and anticipate that you may convert to BI-AMPLIFIED AKTIV at some time in the future, it is wise to BI-WIRE your loudspeakers from the start to avoid having to relay new cables in your wall when you upgrade your system.

TECHNICAL NOTE

The SEKRITs use a custom designed 25mm diaphragm metal domed tweeter, specially designed for the SEKRIT. It has a particularly low resonant frequency, allowing a low crossover point to be used. This gives the loudspeaker excellent dispersion in the mid-frequency band which helps to project the sound away from the wall. The result is clearer vocals and a more detailed sound.

The bass/mid driver used in the SEKRIT is also custom designed and so optimised for this application. It has a rigid diecast chassis which increases the stiffness of the baffle, a mineral filled polypropylene cone with well controlled break-up modes and a precision magnet assembly. The SEKRIT has an exceptionally high voltage sensitivity of 90dB/W/m (2.83 Vrms), allowing lower powered amplifiers to produce an impressive sound. High temperature glues and an aluminium voice-coil bobbin give this unit high power handling appropriate to the output levels of most domestic amplifiers.

The crossover used in the SEKRIT is a 2nd order electrical response type for treble and bass. The bass section has impedance compensation so that the impedance presented to the amplifier is resistive over a large part of the audio band. A resistive load creates less heating effect in the amplifier and reduces the peak currents in the loudspeaker cables. The inductors used in the crossover are wound with heavy gauge wire to reduce losses and the capacitors are high quality audio-grade components to preserve signal integrity.

SPECIFICATIONS

| | |
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| Type | 2- way Infinite Baffle Loudspeaker. |
| Frequency response | Passive:80Hz - 20kHz +/-3dB (with at least 20 litres wall cavity volume). Active: 65Hz - 20kHz +/-3dB |
| Input Impedance | Passive: 4 Ohms Active: 6 Ohms treble, 4 Ohms bass |
| Voltage Sensitivity | 90dB/2.83Vrms at 1m |
| Amplifier power | Minimum: 30W/8 Ohms, 60W/4 Ohms |
| Features | Treble level can be reduced by 1dB on crossover board. |
| Wiring options | Single Wiring, Bi-Wiring, Bi-amplification, Active Bi-amplification. |
| Drive Units | 25mm aluminium alloy dome tweeter 170mm custom bass/midrange |
| Size | 444mm (H) x 228 (W) x 86mm (D) 14mm visible from wall surface |
| Mounting depth | 72mm from surface of wall into cavity |
| Weight | 3.1kg each (including mounting frame) |

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.

CD PLAYER The KARIK and MIMIK should be positioned on a level surface. Extensive internal screening in the KAIRN pre-amplifier, KREMLIN tuner, KARIK and NUMERIK facilitates stacking these 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 such that they are not subject to any rocking movement.

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 4 mm² multicore copper cable, such as Linn K20, K400 or K600 for speaker leads.

Your Linn dealer can supply high quality interconnects for linking all your hi-fi components.

GUARANTEE AND SERVICE

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

To help us, please ask your retailer about the Linn warranty scheme in operation in your country.

In Europe, America 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.

For full warranty details, please refer to the card enclosed.

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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