

L I N N  
O W N E R S  
M A N U A L

AXIS  
TURNTABLE



**INTRODUCTION** Thank you for buying the Linn Axis turntable. We are sure it will provide you with musical pleasure for many years to come.

Linn Products have always stated that the turntable is the most important part of a high fidelity system. If you do not get a good signal from the record than the potential of the rest of your system will never be realised, as neither the amplifier nor speakers can improve the quality of the signal they receive. The Linn Axis is made to the highest engineering standards and brings a new level of performance to turntables in its price range.

**INSTALLATION** Remove transit screw from base and keep in a safe place.

Put all the oil supplied into the bearing housing. Carefully put inner platter into the bearing housing, and support it as it sinks down to prevent damage to the bearing surfaces.

Fit the belt around the inner platter and motor pulley. Place the outer platter with mat onto the inner platter.

If your deck is fitted with a Linn Akito tonearm, set the tracking weight as follows:

Make sure the arm is clipped into its rest, the bias is off and the lift/lower device is lowered. With tracking dial facing backward, screw the counterweight clockwise (as you look at the dial) onto the arm, pushing gently to engage the thread. Remove the stylus guard. Holding the fingerlift, unclip the arm and move it to between its rest and the platter.

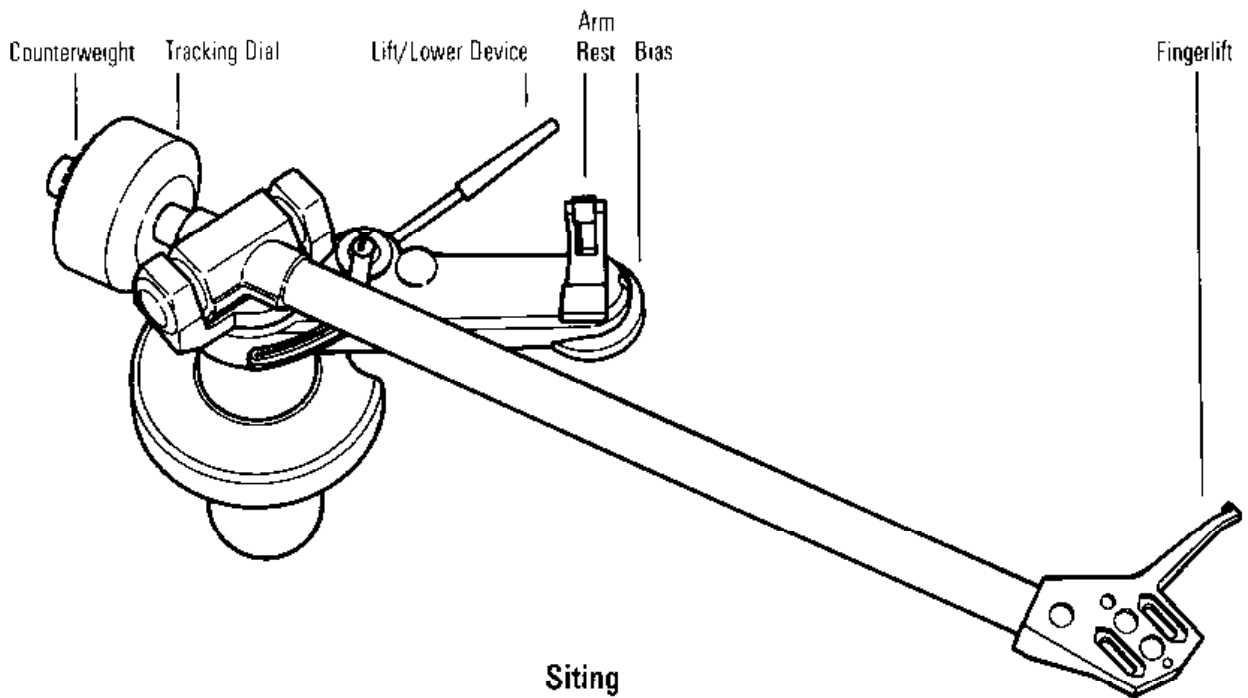
Turn the counterweight to the position which balances the arm, i.e., where the stylus is floating at about record height. Clip the arm back into its rest. Turn the tracking dial while holding the counterweight until '0' is aligned with the line on top of the arm.

Check the arm is still balanced. If not you have moved the counterweight when setting the tracking dial, so re-balance the arm and re-set the tracking dial to '0'.

Turn the counterweight clockwise (as you look at the dial) to the desired tracking force. Set the bias to the same value.

(See General Installation for more information.)

Check the arm height is correct. The arm-tube should be parallel to the record surface. Adjustment can be made by loosening the arm height adjustment screw with a 4mm hexagon key, moving the arm to the correct height and locking the screw. The screws should be firm, but not excessively tight.



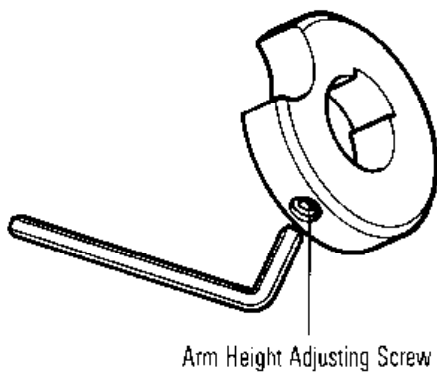
### Siting

Ensure that the surface on which the turntable is to be used is level and that there is adequate ventilation for the heatsink. For best results we recommend the following:

**FLOOR MOUNTING:** Place deck on a small, light, rigid table, e.g., small coffee table. Ensure that the table is sitting level on the floor and not rocking.

**WALL MOUNTING:** Wall mounting may be preferable where a highly sprung floor exists or where there is risk of damage by children. The shelf used should be light and rigid, and it should be fully supported by, but not firmly screwed or glued to its brackets.

To allow lid to open fully, a clearance of 3" (7.5 cm) is required behind the plinth and at least 13" (33 cm) above.



**OPERATION** The switch on the Axis provides a trigger to the electronics to start or stop the motor. It does not break any mains connection. Power remains on the circuit board all the time. Static power consumption is very low.

After connection, the circuitry should be given a few seconds to settle before switching the motor on.

### **Speed selection**

**33 rpm:** The Axis has an electronic speed change. To engage 33rpm press switch once and the red LED will light, indicating 33rpm . To stop press switch once again.

**45 rpm:** Press and hold switch. Red LED will light, then green, indicating 45rpm . To stop, press switch once again. **NOTE:** If the platter is deliberately stopped whilst operating at 45rpm, the turntable will not automatically re-start. To re-start it is necessary to switch off the turntable, wait a few seconds and select speed\*.

Note that when mains is first applied the turntable may rotate at 33 or 45rpm. This is normal and is not a cause for concern.

\*Note: The platter will take about 8 seconds to fully reach 45rpm.

**TURNTABLE MAINTENANCE** The Axis is designed for a long operational life. To preserve the appearance and maintain the performance of your deck, you should note the following points:

**PLATTER:** Clean with a dry soft cloth. **DO NOT** use any abrasive cleaner as this will remove the protective lacquer and cause corrosion.

**MAT:** The felt mat can be cleaned with masking tape. If the mat becomes really dusty, you can beat it like a carpet or rug.

**MOTOR:** The motor pulley should be cleaned periodically. Remove the outer platter and belt, and gently clean with a cloth impregnated with isopropyl alcohol or meths.

**TOP-BOARD:** This can be cleaned with a light duster or slightly damp cloth – make sure the stylus guard is in place before you start. If you have to remove an oil stain from the top board, use a soft cloth and methylated spirits.

**BELT:** The belt should last for at least five years of regular use. The belt can be cleaned at the same time as the pulley. The best method is to pull it through a damp cloth.

**OIL:** The oil supplied for the bearing provides life-long protection. If the oil is lost from the bearing housing it must only be replaced by factory-supplied oil, which is available from your Linn dealer. The turntable should never be operated without oil.

**DUST COVER:** The best method is to remove any dust with a damp cloth without any rubbing action and then use a soft duster. Covers are more often damaged in cleaning than in use.

## **G**ENERAL SYSTEM INSTALLATION

**TRACKING WEIGHT AND BIAS:** Every arm and cartridge combination has an optimum tracking weight. This is best set by listening. Increments of 0.1g can produce significant differences. Test records are of no use in establishing tracking weight and bias. Temperature can alter these values, which will be lower in hot weather and higher in cold weather. Note: On Linn arms, the bias should be set at the same value as the tracking weight.

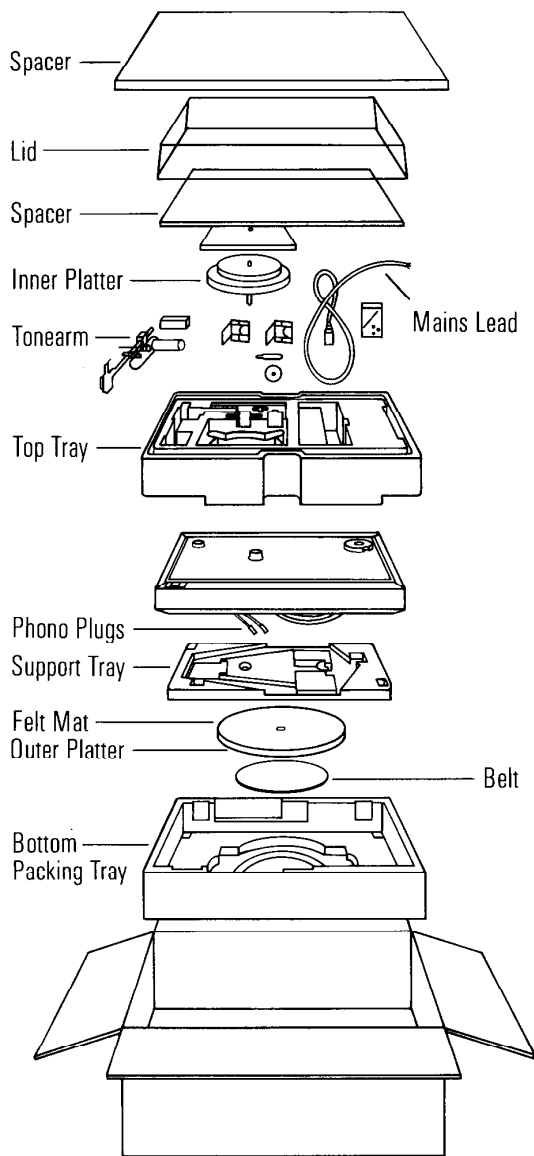
**RECORD CLEANING:** Most record cleaning devices do more harm than good. The best method of cleaning records is to let the stylus remove any dirt which may be in the groove, then clean the stylus.

**STYLUS CLEANING:** It is important that the stylus is kept scrupulously clean. We have found that dry vibrating pad cleaners work well. Alternatively, Linn dealers can supply stylus cleaning paper which is easy to use and gives excellent results.

**CLEAN CONTACTS:** Electrical contacts in a hi-fi system must be kept mechanically sound and clean. A poor contact between the cartridge and arm will degrade performance. Checks on all contacts should be performed periodically.

**INTERCONNECT LEADS:** We recommend and supply good quality copper cable for interconnect leads and advise 20 amp multicore copper cable for speaker leads.

**SPEAKER PLACEMENT:** Speakers should be positioned correctly and should be mounted on rigid stands which are sitting firmly on the floor and not rocking. Note: Linn speakers are designed to be placed close to the wall.



**TRANSPORTATION** Always keep all the packing for your Axis turntable.

When transporting the Axis turntable, remove the counterweight from the arm, remove the inner platter from the bearing housing and place it in its position in the packing. Replace the bearing cap to prevent oil spillage. If the deck is to be shipped anywhere, then it is important to follow these instructions:

- Remove mains lead and place in top tray.
- Remove lid and place hinges in top tray.
- Remove outer platter. Remove belt and place around the centre hub in bottom packing tray.
- Place platter and felt mat in position in bottom packing tray.
- Fit stylus guard, remove arm counterweight, disconnect arm cable (if necessary, loosen the lockscrew), loosen arm height adjusting screw, and remove tonearm. Place arm and counterweight in their respective slots in top packing tray.
- Remove inner platter and place in top tray. Insert foam packing strips between plinth and top-board. Insert transit screw through hole in baseboard into its thread and tighten until top board is held firmly.
- Place turntable in position on polystyrene plinth support tray, with the polystyrene spacing piece in place. Arm cable should be wrapped round the 3 suspension feet. Secure the phono plugs on to the base of the plinth with a piece of tape.
- Place top tray over turntable, place cardboard spacer on top. Lid should be put in its plastic bag and fitted into slot in top tray.
- Place polystyrene spacer on top of lid and close box.





**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 of the turntable. Refer all enquiries to authorised dealers only.

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