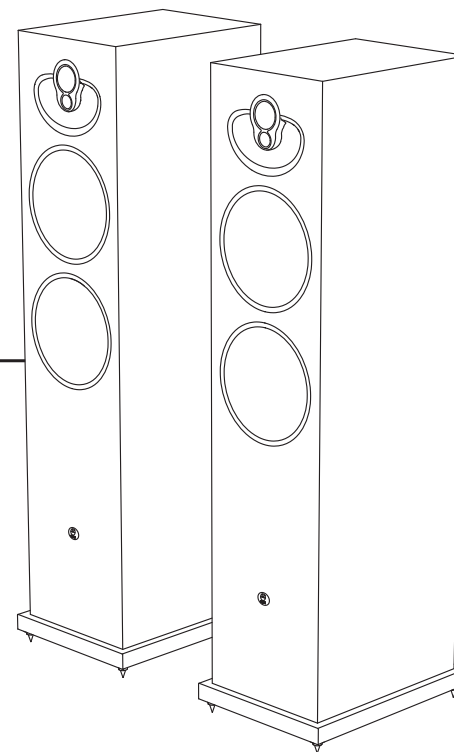


LINN

MAJIK 140

LOUDSPEAKER



OWNER'S MANUAL

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IMPORTANT SAFETY INSTRUCTIONS

Explanation of symbols used in this manual or on the rear/underside of the apparatus:

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 operation, maintenance and servicing information in the instruction and service manuals.



For apparatus connected to the mains electricity supply

CAUTION

- **To reduce the risk of electric shock do not remove the cover.**
- **No user serviceable parts inside.**
- **Refer servicing to qualified service personnel.**
- **Replace the mains fuse in the plug with one of the same type and rating.**
- **Disconnect supply cord before changing fuse.**

WARNING

To reduce the risk of fire or electric shock do not expose this apparatus to rain or moisture. Shock hazard - do not open.

General Safety Instructions

1. **Read these instructions.**
2. **Keep these instructions.**
3. **Heed all warnings.**
4. **Follow all instructions.**
5. **Do not use the apparatus near water,** for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool etc.
6. **Clean only with dry cloth.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.** Site the apparatus so that its location or position does not interfere with its proper ventilation. For example, the apparatus 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.
8. **Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
9. **Do not defeat the safety purpose of the polarised or grounding type plug.** A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. **Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and at the point where they exit from the apparatus.**
11. **Only use attachments/accessories specified by the manufacturer.**
12. **Use only with the stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.**
13. **Unplug this apparatus during lightning storms or when unused for long periods of time.**
14. **Refer all servicing to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug has been damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Wall or ceiling mounting.** Mount the apparatus to a wall or ceiling only as recommended by the manufacturer.
16. **Power sources.** Connect the apparatus to a power supply only of the type described in the operating instructions or marked on the apparatus.
17. **Mains plug.** Use the mains plug to disconnect the apparatus from the mains supply. The mains plug must be accessible at all times. Use the mains switch (if applicable) when the apparatus is not in use.
18. **Power lines.** An outdoor antenna should be located away from power lines.
19. **Outdoor antenna grounding.** If an outdoor antenna is connected to the apparatus, 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.
20. **Telephone line.** Do not connect the apparatus to a telephone line except where specifically instructed to do so.
21. **Objects and liquid entry.** Do not let objects or liquids fall into the apparatus. Do not expose the apparatus to dripping or splashing. Do not place a vessel containing liquid on top of the apparatus.
22. **No naked flame sources, such as lighted candles, should be placed on the apparatus.**
23. **The apparatus has been designed for use in moderate and tropical climates.**

CE Declaration of Conformity

Linn Products Ltd declare that this product is in conformance with the Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility 89/336/EEC as amended by 92/31/EEC and 93/68/EEC.

The conformity of the designated product with the provisions of Directive number 73/23/EEC (LVD) is proved by full compliance with the following standards:

Standard number	Date of issue	Test type
EN60065	2002	General requirements
		Marking
		Hazardous radiation
		Heating under normal conditions
		Shock hazards under normal operating conditions
		Insulation requirements
		Fault conditions
		Mechanical strength
		Parts connected to the mains supply
		Components
		Terminal devices
		External flexible cords
		Electrical connections and mechanical fixings
		Protection against electric shock
		Stability and mechanical hazards
		Resistance to fire

The conformity of the designated product with the provisions of Directive number 89/336/EEC (EMC) is proved by full compliance with the following standards:

Standard number	Date of issue	Test type
EN55013	2001	Conducted emissions
EN55013	2001	Absorbed emissions
EN55020	2002	Immunity

FCC notice

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Waste Electrical and Electronic Equipment (WEEE) Directive

Waste Electrical and Electronic Equipment Directive Directive 2002/96/EC of the European Parliament and of the Council

The symbol (right) is shown on this product. It indicates that the product should not be disposed of with regular household waste, but should be disposed of separately.



Electrical and electronic equipment can contain materials that are hazardous to the environment and human health and therefore should be disposed of at a designated waste facility or returned to your retailer for the appropriate recycling to take place (see www.linn.co.uk for further information).

If you wish to dispose of this product and the product still functions, please consider recycling/reusing it by donating it to a charity shop, selling it or part-exchanging it with your retailer.

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UK Registered Design No: 4003656

Printed in the United Kingdom.

Pack 1320/1

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INTRODUCTION

Linn's Majik 140, full-range, floor-standing loudspeaker combines knowledge built-up over thirty years of loudspeaker design and manufacture. Among its features the Majik 140 includes Linn's patented driver array technology – found in our highest performing loudspeakers – which not only delivers complete clarity in high frequency reproduction, but also an even dispersion to give great performance wherever you position the loudspeakers in your room. The composite-cone design used for the bass drive unit, delivers pitch accurate, musical bass extension, while a wide range of possible connection configurations provides great flexibility to meet your future requirements.

The Majik 140 loudspeakers are the perfect partner for the other products in Linn's Majik range. Whether as part of a complete Majik system or as the loudspeakers in your current hi-fi, we're sure the Majik 140s will provide you with many years of exceptional performance.

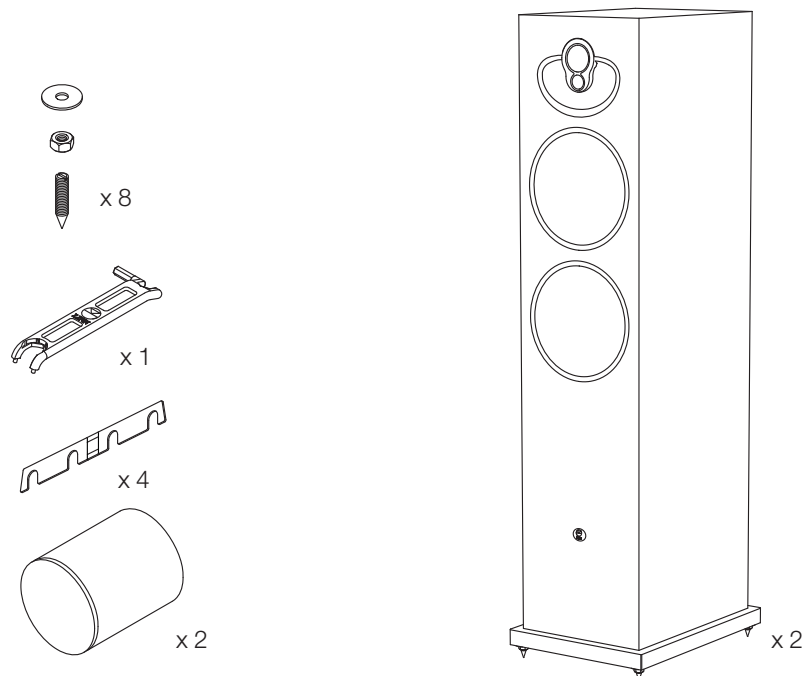
INSTALLATION

Unpacking

The Majik 140 loudspeakers are heavy: take care when removing them from their packaging. Do **not** lay the loudspeakers on their face as this will damage the 2K speaker array.

The Majik 140 loudspeakers are supplied with the following:

- 2 loudspeaker stands (factory fitted)
- 4 terminal link strips (2 factory fitted to each loudspeaker)
- stand spike kit
- stand locknut tool with Allen key
- 2 foam bungs (fitted to each loudspeaker)



We recommend that you retain the packaging in case you need to transport your loudspeakers at a later date.

Cleaning

Remove dust and fingerprints from the cabinets with a soft, dry, lint-free cloth. Avoid using domestic cleaning products as they may damage the veneer. Fabric grilles (if fitted) should be removed from the cabinets and cleaned carefully with a soft brush.

Accessories

An upgrade stand for the Majik 140, providing greater stability and improved audio performance, is available from your Linn retailer. Fabric grilles are also available from your Linn retailer.

Positioning and levelling

To get the best from your Linn Majik 140 loudspeakers, it is important that they are positioned and levelled correctly. The acoustics of a room are dependent on many factors, including volume, shape and even furniture. The information below will assist in helping you find the best position in your room for your loudspeakers and will tell you how to level them correctly.

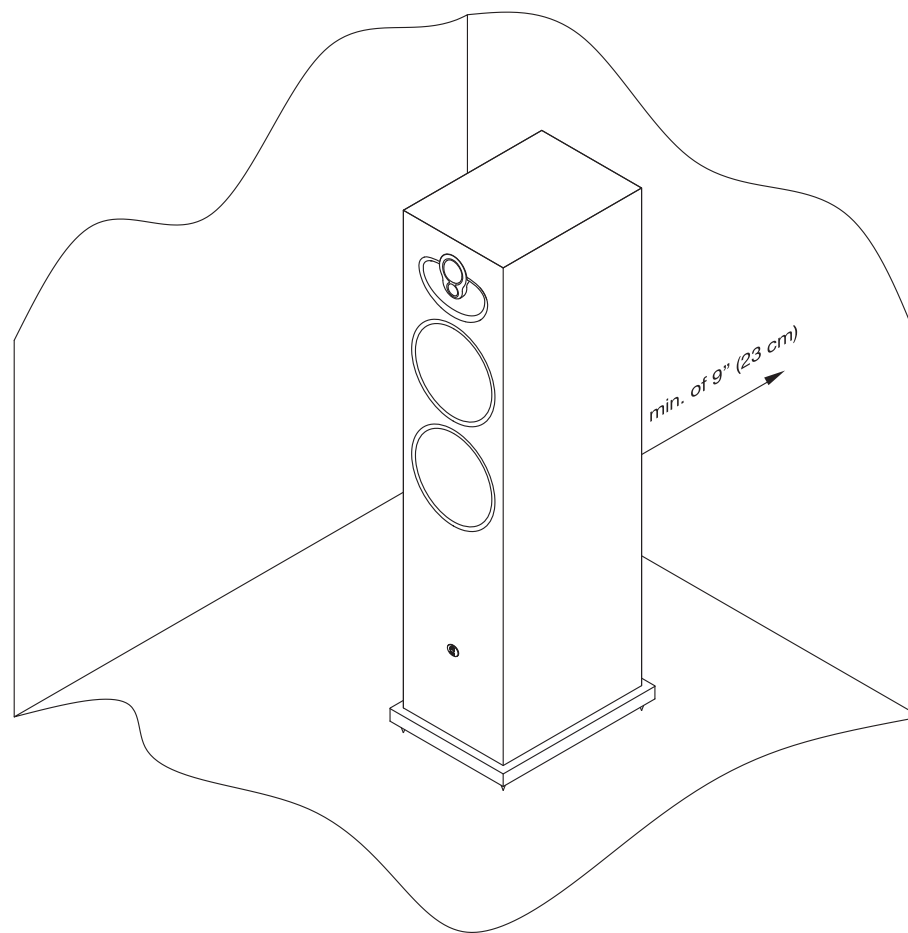
Positioning

It pays dividends to experiment with loudspeaker positioning. However, the very nature of the 2K super-tweeter and tweeter array and its close driver proximity, ensures uniform dispersion characteristics and therefore the loudspeakers should not require any significant degree of toeing-in to improve performance.

Bass reduction

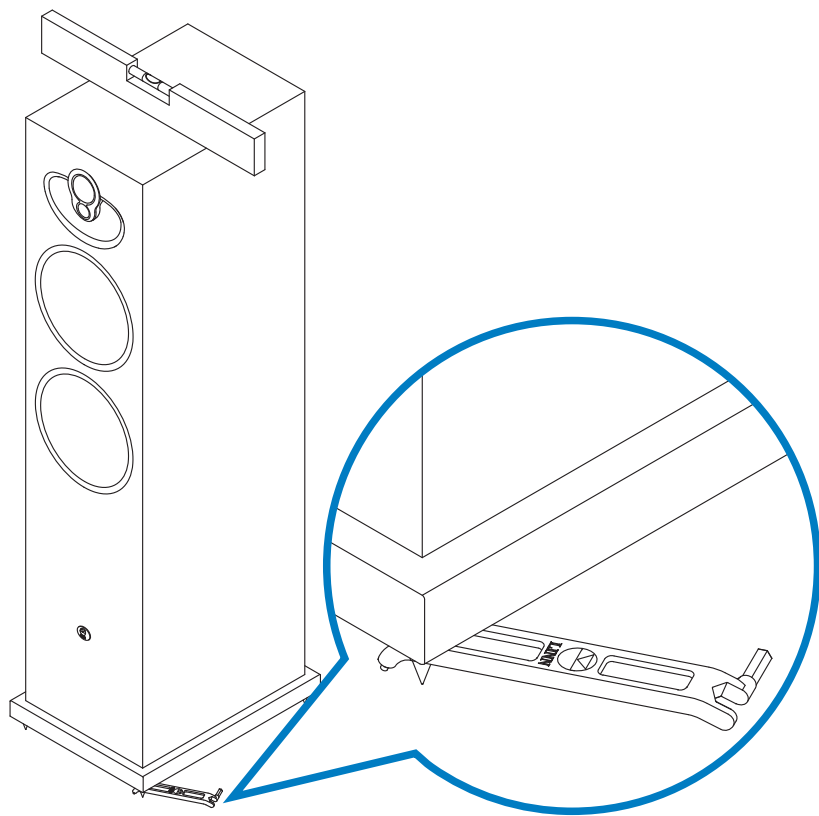
A loudspeaker placed too close to a wall will tend to over-emphasise bass definition, so a minimum of 9" (23 cm) is recommended between the back of a Majik 140 and the closest wall. If space is an issue, foam bungs are provided for insertion into the loudspeaker's rear reflex ports to seal the cabinet, which will result in reduced bass.

An alternative method for reducing bass output is to make an internal modification to the loudspeaker which will drop the bass by 2 dB. This modification can be carried out by your Linn retailer.



Levelling

A properly levelled loudspeaker will always perform more effectively than an unstable one; the actual loudspeaker cabinet can remain fixed whilst the drive units are allowed to move as precisely determined by the playback signal from the amplifier(s). Adjustable spikes enable levelling on uneven floors; however, these adjustments are subtle and will not compensate for an excessively irregular floor.



The procedure for levelling a Majik 140 should be as follows:

- Use a spirit level on the top of the loudspeaker to check if it is sitting level. If it is, gently rock the cabinet from front to back, side to side and diagonally to check for any movement. If none is present and the loudspeaker is sitting level, no adjustment is necessary.
- If the loudspeaker is not level, or moves when you rock it, loosen the appropriate lock nut with the tool provided and turn the spike to adjust its height.
- Press down firmly on the top of the loudspeaker to ensure it is in close contact with your flooring.
- Use the spirit level as before and continue to adjust the spikes as required.
- When the loudspeaker is level and does not rock, tighten the lock nuts using the tool provided.

Note:

To protect wooden or tiled floors, the spikes can be placed on Linn Skeets, which are available from your Linn retailer.

Connecting

General

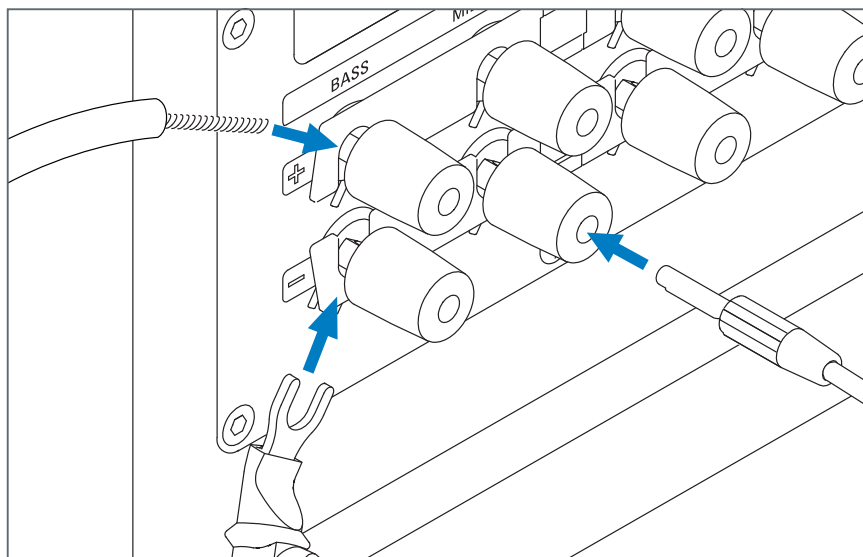
IMPORTANT:

Before making any connections, switch off your power amplifier(s).

Ensure the positive (+) or red coloured connectors from your amplifier(s), connect to the positive (+) connectors on your loudspeakers, and that the negative (-) or black coloured connectors from your amplifier(s), connect to the negative (-) connectors on your loudspeakers.

Terminals

The loudspeakers are fitted with binding-post terminals. These terminals can be used as sockets for the connection of 4 mm banana plugs, bared wires or spade-terminated cables. To connect bared wire or spade-terminated cables, loosen the outer section of the binding post, insert the wire or terminal and firmly retighten the binding post to clamp the wire in place and provide a good electrical connection.



Configuration options

The Majik 140 loudspeakers offer an array of configuration options, as described below. Connections for each of the methods are shown in the *Wiring and amping configurations* section, page 8.

The options are listed in order of increasing sonic performance. Multi-wiring and multi-amping options offer improvements in sound quality over single-wiring. The greater the separation of the frequency bands in the power amplifiers, crossover and cables, the more precise the quality of the playback performance, with Aktiv operation representing the ultimate configuration (see *Aktiv operation*, next page).

Passive single-wiring:

A single amplifier channel connects to the loudspeaker using a single cable.

Passive multi-wiring (bi-wire, tri-wire or quad-wire):

A single amplifier channel connects to the loudspeaker using two, three or four cables.

Passive multi-amping (bi-amp, tri-amp or quad-amp):

Two, three or four amplifier channels connect to the loudspeaker.

Note:

Multi-amping can be combined with multi-wiring, e.g. bi-amping could employ quad-wiring.

Aktiv operation

The term 'Aktiv' refers to the proprietary Linn active crossover and loudspeaker configuration, whereby a loudspeaker's internal passive crossover is replaced with external crossovers.

In a passive system, the output from the power amplifier is passed through the crossover inside the loudspeaker. A portion of the signal's energy is dissipated in the crossover circuitry and is therefore lost. Also, the behaviour of the crossover and the drive units will differ depending on the listening volume.

In an Aktiv system, one channel of amplification is required for each drive unit in a loudspeaker, and the crossover circuitry is located before the amplifier circuitry. After the audio signal is filtered by the crossovers the amplifier then supplies power to the loudspeaker drive unit in the frequency band required by that particular driver (e.g. midrange frequencies for the midrange driver), allowing each amplifier channel to provide a greater degree of control over the loudspeaker.

So in Aktiv mode, the crossovers provide a more precise means of filtering the signal into the required frequency bands, while allowing the amplifiers to exert more control over the drive units. This results in significantly improved sonic performance compared with passive operation.

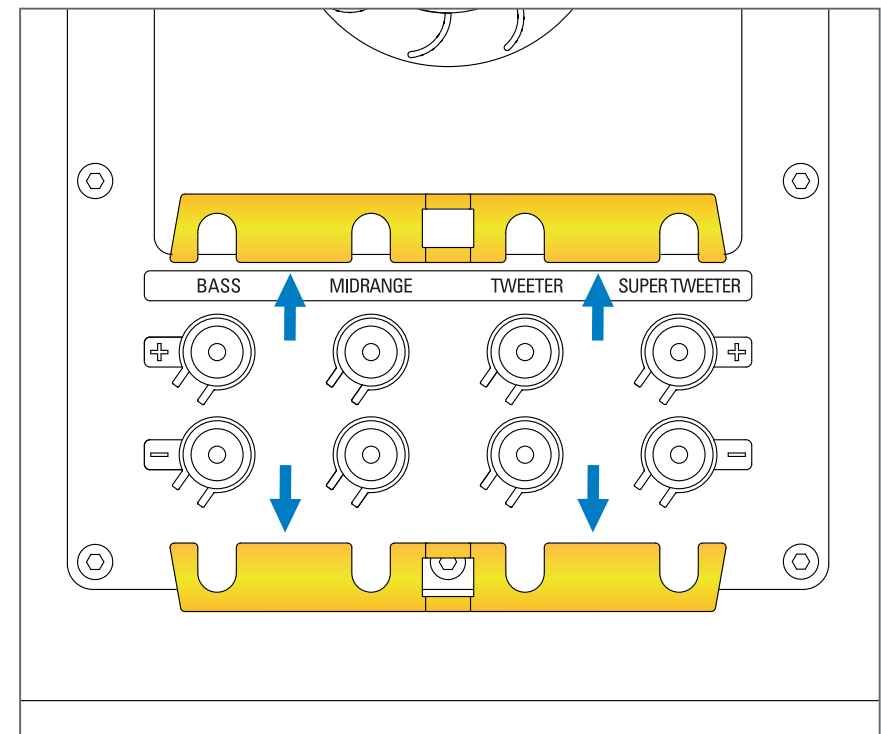
Important note:

Aktiv operation requires a modification to your loudspeakers and your Linn amplifiers, which must be carried out by an authorised Linn retailer.

Link strip information

To remove / fit the link strips:

- Loosen the outer section of each binding post on both rows of terminals.
- Slide the link strips outwards to remove them.
- When refitting the strips, ensure that they are fully and correctly inserted.
- Ensure that all the binding posts are tight (whether the strips are being refitted or not).



To modify the link strips for multi-wiring or multi-amping applications:

- Remove the link strips from the loudspeaker, as explained opposite.
- Break the links by using a strong pair of snips, a small hacksaw or snap them at the break-points by carefully bending the strips back and forth with pliers.
- File down any sharp edges to prevent the possibility of injury.

Note:

If you will be using both sides of the separated link, ensure your break creates a definite gap in order to eradicate the possibility of the links accidentally re-connecting when fitted to the loudspeaker.

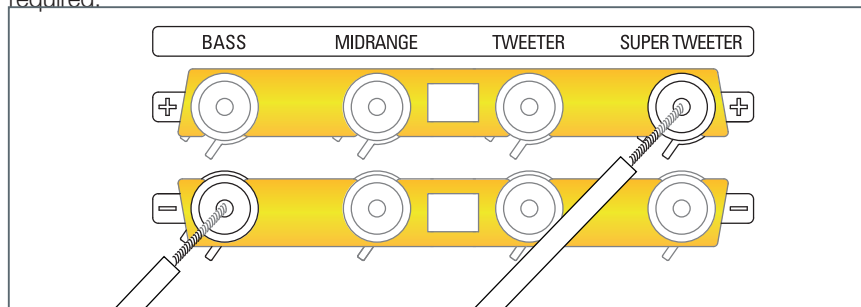
Important notes on using the link strips

- Never use the strips to link positive (+) and negative (-) terminals together.
- When multi-amping, ensure that the link strips do not short-circuit amplifier channels together. Shorting the outputs of separate amplifier channels together can damage the amplifier(s) and loudspeaker drive units.
- Do not connect more than one strip per terminal.

Wiring and amping configurations

Single-wiring

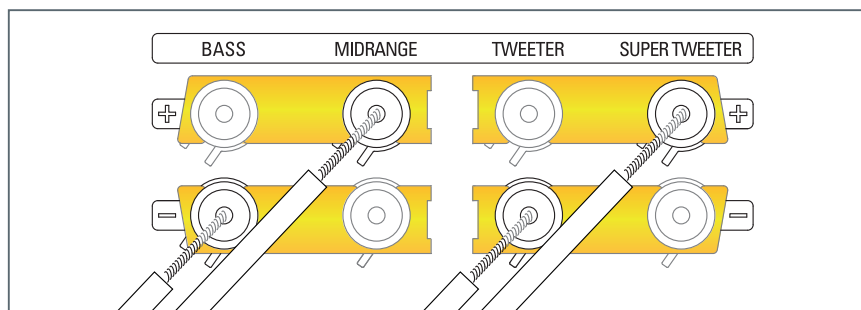
Illustration shows position of link strips if single-wiring (i.e. using a single speaker cable from one power amplifier channel). No link strip adjustments or cuts are required.



For optimum sound quality, connect the cable from the power amplifier to the terminals shown.

Bi-wiring or bi-amping

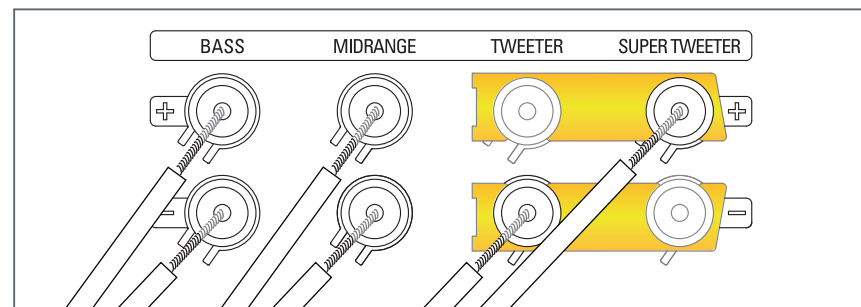
Illustration shows position of separated link strips if bi-wiring (i.e. using two speaker cables from one power amplifier channel) or bi-amping (i.e. using two power amplifier channels).



For optimum sound quality, connect the cables from the power amplifier(s) to the terminals shown.

Tri-wiring or tri-amping

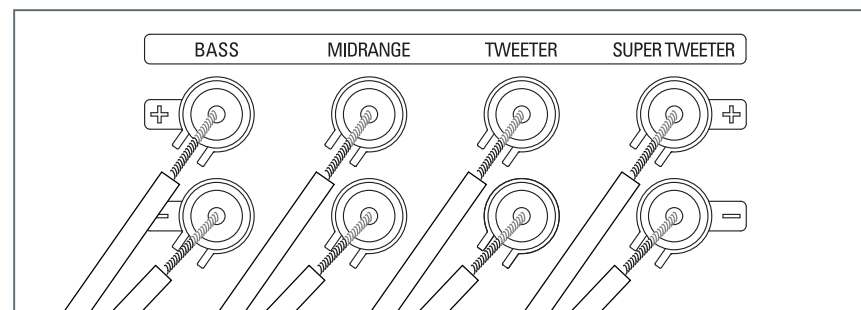
Illustration shows suggested position of separated link strips if tri-wiring (i.e. using three speaker cables from one power amplifier channel) or tri-amping (i.e. using three power amplifier channels).



For optimum sound quality, connect the cables from the power amplifier(s) to the terminals shown.

Quad-wiring or quad-amping

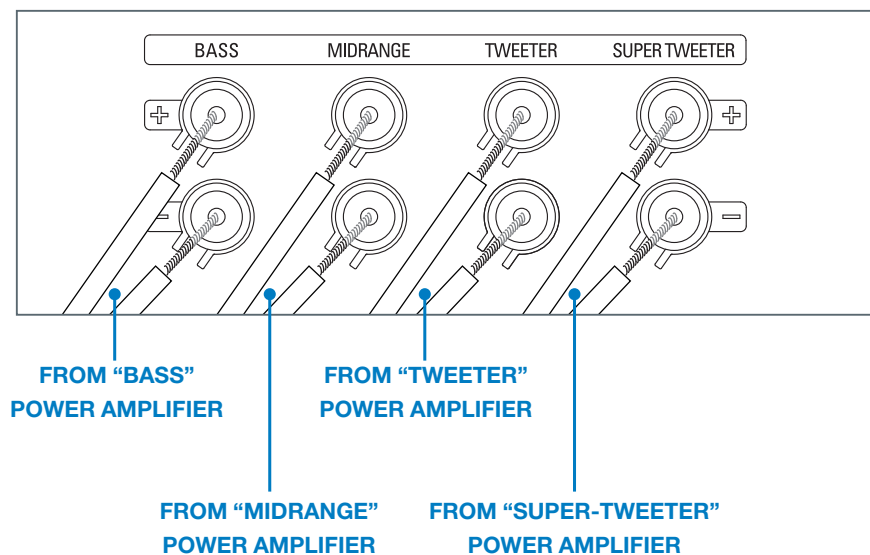
Link strips **must** be removed when quad-wiring (i.e. using four speaker cables from one power amplifier channel) or quad-amping (i.e. using four power amplifier channels).



Aktiv configuration

Aktiv operation requires a modification to your Majik 140s and your Linn amplifiers, which must be carried out by an authorised Linn retailer.

In Aktiv mode, please be very careful to connect all speaker cables from the amplifier(s) to the correct sockets on the loudspeaker. Wrong connection could result in damage to your loudspeaker drive units and amplifier(s).

**IMPORTANT NOTES ON AKTIV SYSTEMS**

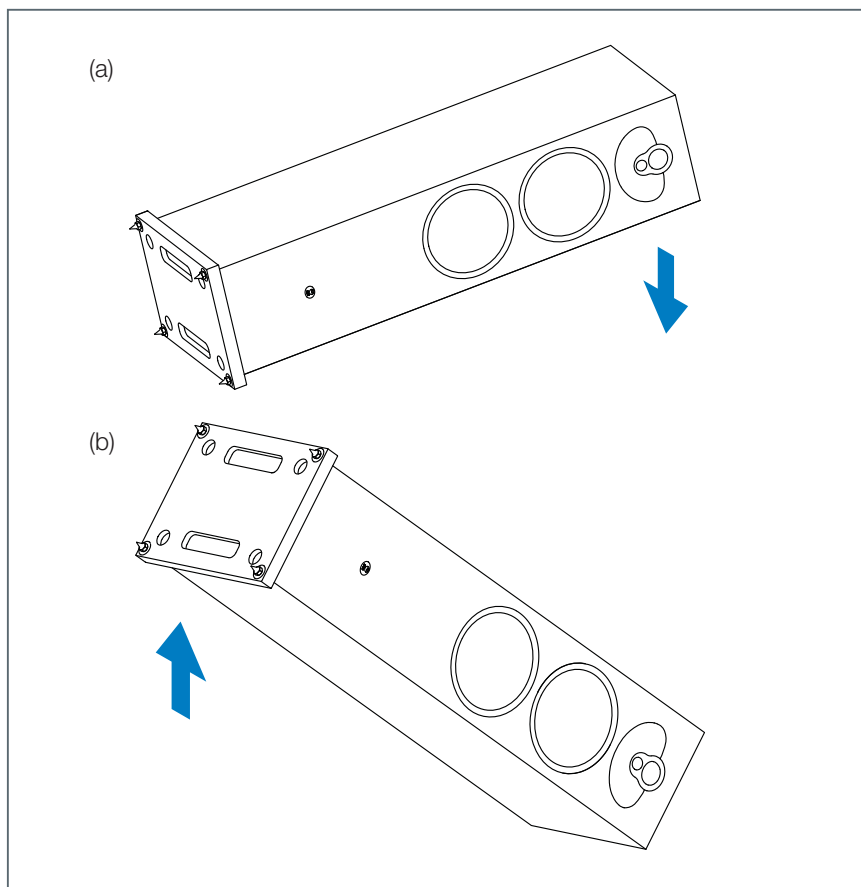
Do not use your amplifiers with any other loudspeakers – you may damage the loudspeakers.

Do not use your loudspeakers with any other amplifiers – their internal crossovers will be bypassed and the drivers could be severely damaged.

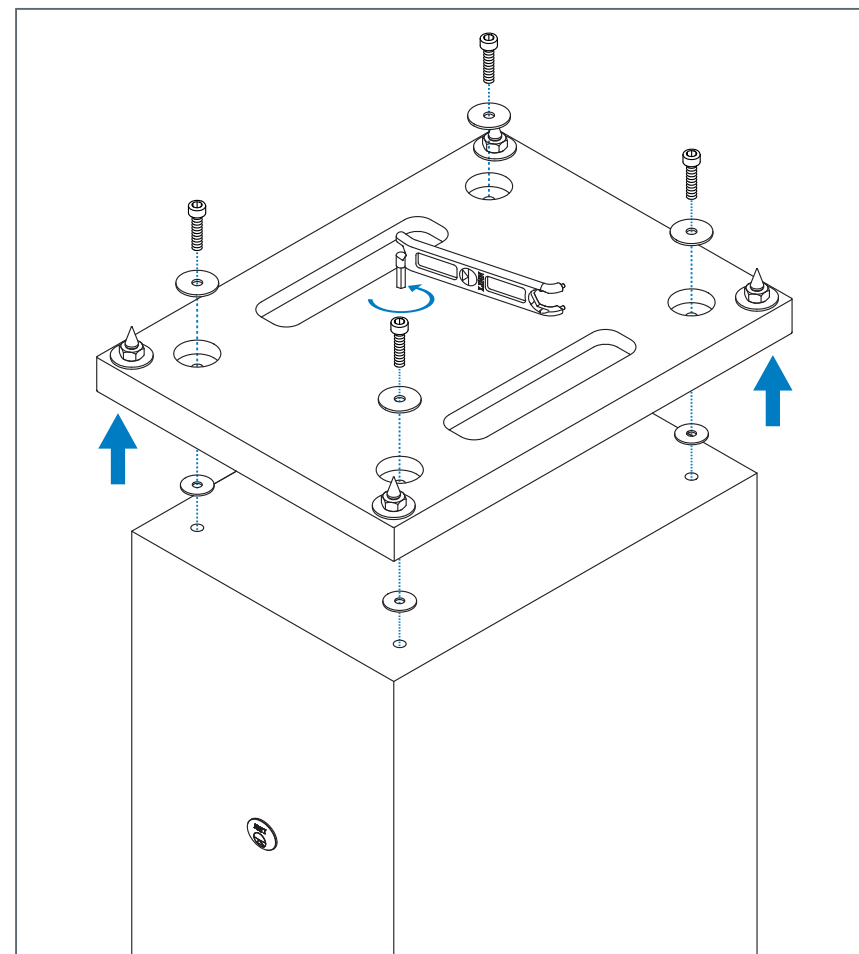
Do not use the terminal link plates – they can only be used in a passive system.

Fitting and levelling the upgrade stand

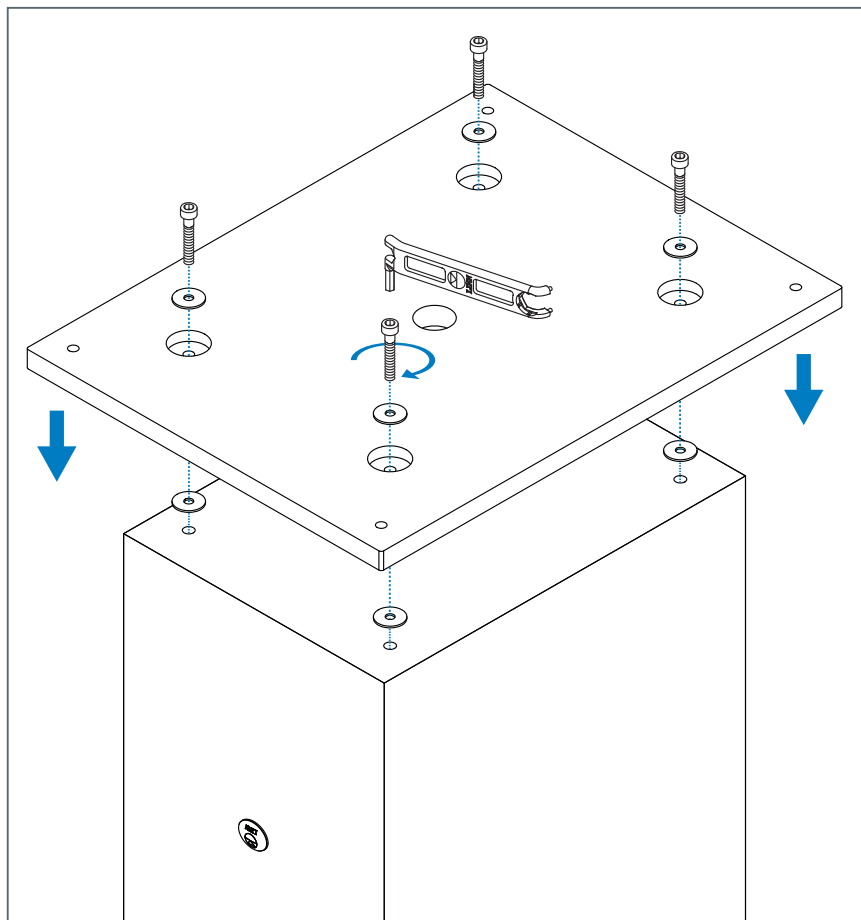
- Unpack the contents of the upgrade stand kit.
- Lay the loudspeaker on its side (**never** lay the speaker on its face) on a smooth surface. (a)
- Use the handholds in the base to raise the loudspeaker onto its top. (b)
- The stand's spikes are sharp; be careful not to cause injury or damage.



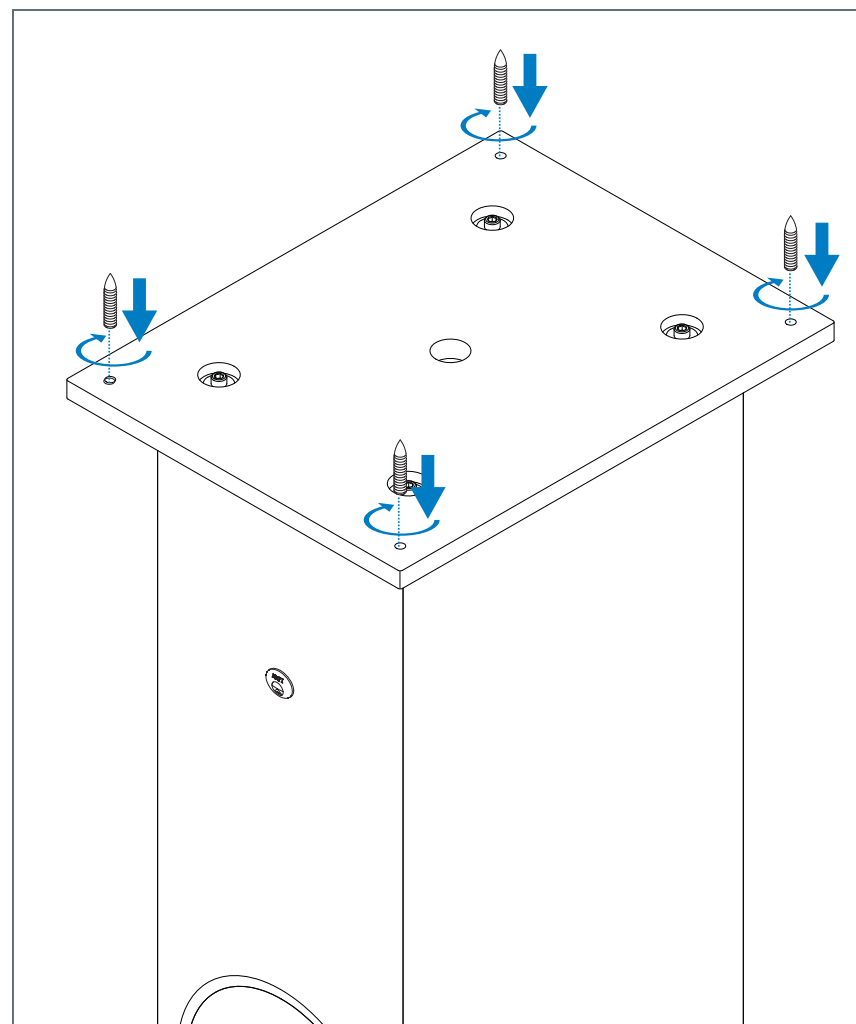
- Using the Allen key on the supplied tool, unscrew the original stand. Set the four screws aside.
- Lift the stand off, carefully – it is heavy.
- Place the upgrade stand on to the loudspeaker, carefully – it is very heavy.



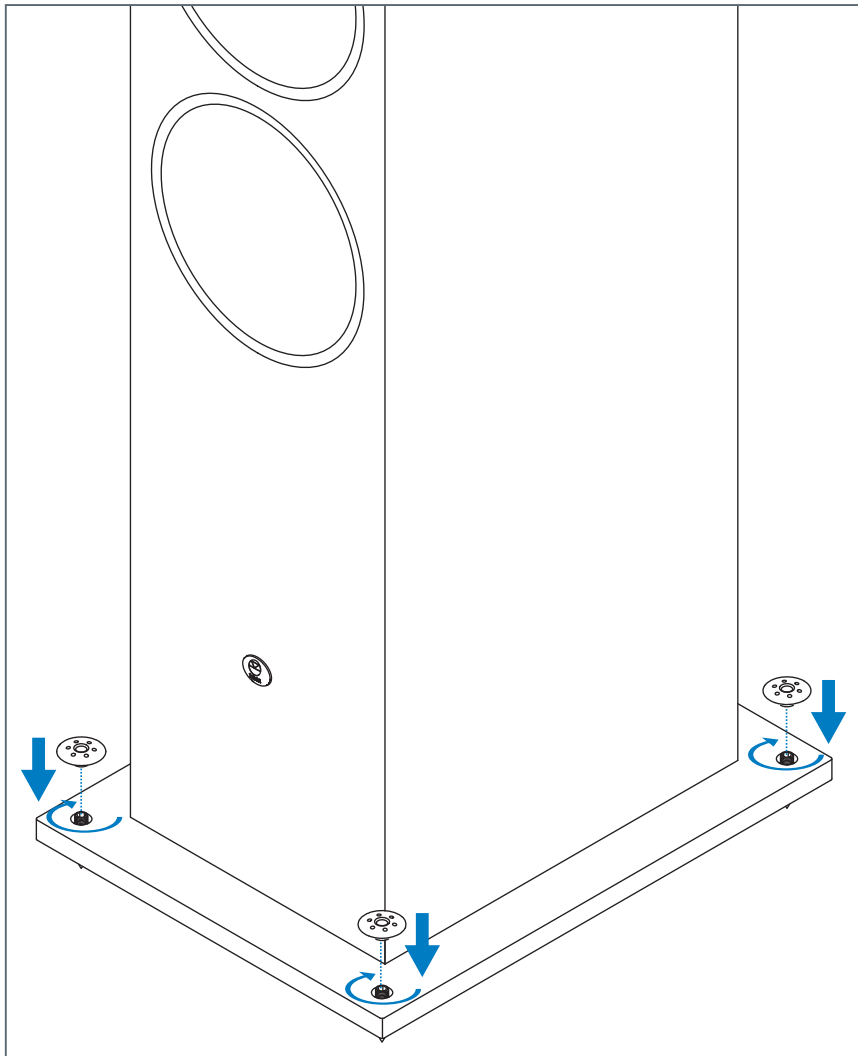
- Insert four new washers.
- Insert the four screws removed from the original stand.
- Tighten the screws with the Allen key.
- Open the spike kit.



- Screw the four floor spikes through the stand so that they just protrude through the other side.
- Carefully turn the loudspeaker the right way up.

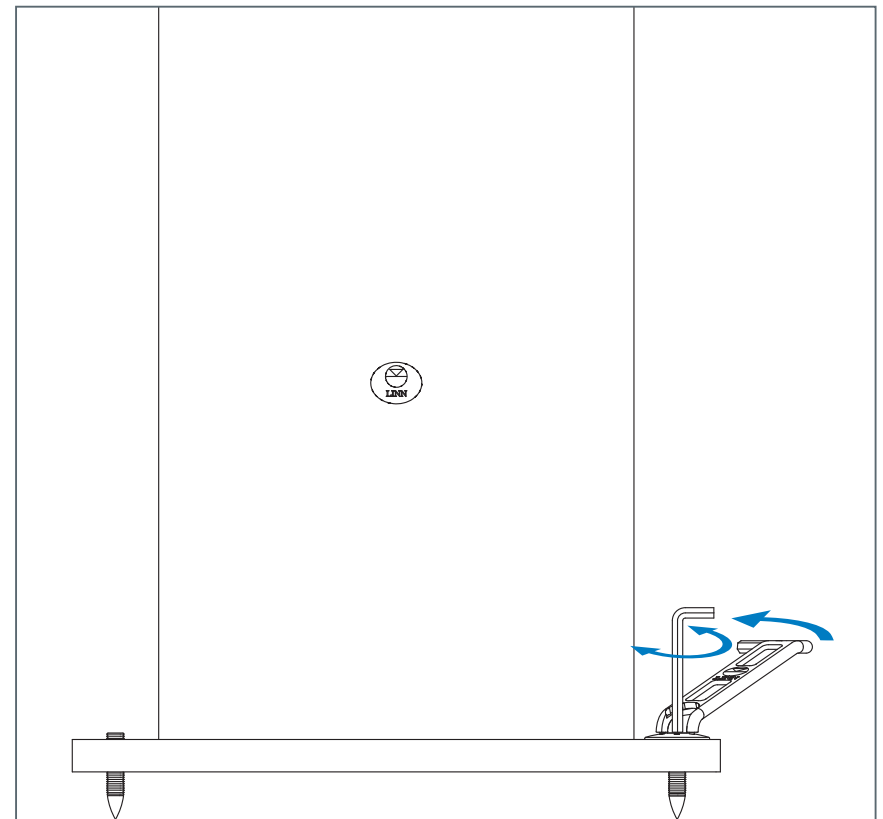


- Screw a locknut on to each spike.
- Leave finger tight to make adjusting easier later.

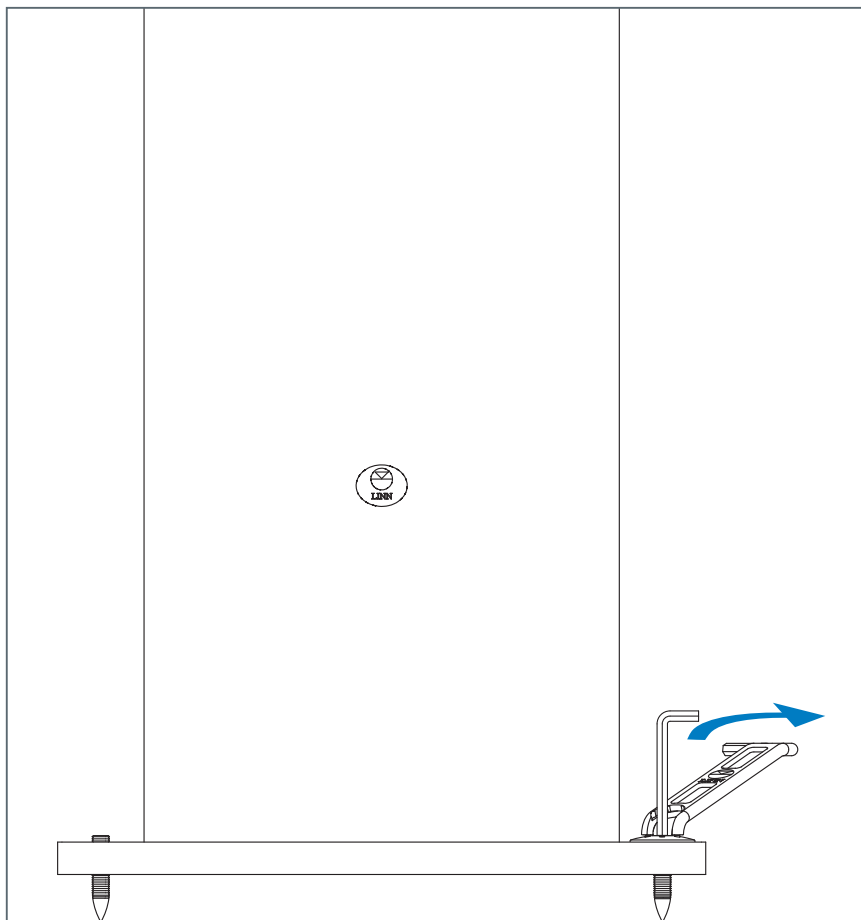


The procedure for levelling a Majik 140 fitted with the upgrade stand, should be as follows:

- Use a spirit level on the top of the loudspeaker to check if it is sitting level. If it is, gently rock the speaker from front to back, side to side and diagonally to check for any movement. If none is present and the loudspeaker is sitting level, no adjustment to the spikes is necessary.
- If the loudspeaker is not level, or moves when you rock it, loosen the appropriate lock nut with the tool provided and using the supplied Allen key, turn the spike to adjust its height.



- Press down firmly on the top of the loudspeaker to ensure it is in close contact with your flooring.
- Use the spirit level as before and continue to adjust the spikes as required.
- When the loudspeaker is level and does not rock, hold the spikes in place with the Allen key and tighten the lock nuts.



TECHNICAL SPECIFICATIONS

Cabinet volume	40 litres
Impedance (passive)	4 Ω
Impedance (Aktiv bass)	8 Ω
Impedance (Aktiv midrange)	8 Ω
Impedance (Aktiv tweeter)	7 Ω
Impedance (Aktiv super-tweeter)	7 Ω
Efficiency	88 dB for 1 watt at 1 metre (1 kHz)
Frequency response (passive)	55 Hz - 20 kHz
Frequency response (Aktiv)	55 Hz - 20 kHz
Magnetic shielding	No
Crossover options	Fully passive or fully Aktiv
Connection options	Up to four-way multi-wire/amp passive; four-way Aktiv
Optional bass reduction	2 dB
Overall sizes (with supplied stand)	975 mm (H) x 250 mm (W) x 335 mm (D) 38 3/8" (H) x 9 3/4" (W) x 13 1/8" (D)
Weight (with supplied stand)	21.3 kg 47 lbs

GUARANTEE AND SERVICE

This product is guaranteed under the conditions which apply in the country of purchase and your statutory rights are not limited. In addition to any statutory rights you may have, Linn 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.

In parts of Europe, the United States of America and some other markets, extended warranty may be available to customers who register their purchase with Linn. A warranty registration card is included with the product and should be returned to Linn as soon as possible. Alternatively, you can register your warranty online at www.linn.co.uk.

WARNING

Unauthorised servicing or dismantling of the product invalidates the manufacturer's warranty. There are no user serviceable parts inside the product and all enquiries relating to product servicing should be referred to authorised retailers only.

Technical support and information

For technical support, product queries and information, please contact either your local retailer or one of the Linn offices opposite.

Full details of your local retailer/distributor can be found on the Linn web site: www.linn.co.uk.

Important

Please keep a copy of the sales receipt to verify 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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