

## LINN AV 5120 COMPACT LOUDSPEAKER TOTAL ACCURACY

Whether you are watching and listening or simply listening, the **Linn AV 5120** loudspeaker is designed to optimise both voice and music for a totally absorbing cinematic experience. The **Linn AV 5120** has been designed to complement other **Linn AV 51** loudspeakers, matching the style and sound quality exactly.

This high quality elegant speaker is magnetically shielded allowing the **AV 5120** to be positioned on top of or underneath a television set. The **AV 5120** is compact, allowing it to be placed on a shelf or on a wall using an adjustable bracket, or built into a cabinet. Its unusually good frequency response and power handling for its size makes it a suitable choice for use as any or all loudspeakers in a surround sound set-up, or as a pair of conventional loudspeakers. The **Linn AV 5120**'s superior sound is truly optimised if used in combination with the **Linn AV 5150** Active Isobarik Bass Loudspeaker.

The **AV 5120** has been prioritised by Linn as the most important loudspeaker in the **Linn AV 51** surround sound set-up. Its no compromise acoustic design gives a superb full range response, together with good bass handling. It enables speech on film soundtracks to sound natural and clear whilst maintaining superior sound quality with music.

The **AV 5120** has the same drive unit configuration, designed by Linn, as the **AV 5140** providing, when used in the centre channel application, perfect tonal match and dispersion patterns across the front three loudspeakers. This identical tonal match allows sounds that pan across and move between the loudspeakers to sound consistent and realistic as they move. There are two separate chambers inside, one for each bass unit for optimum performance of both units, ensuring that one unit is not influenced by pressure from the other. The **Linn AV 5120** is a full range loudspeaker that can handle low bass, eliminating the need to use the bass-removing modes on many pre-amplifiers.

The **AV 5120** is supplied with rubber feet to improve sound quality and provide maximum stability. The speaker incorporates metal mesh grilles.

## LINN AV 5120 COMPACT SPEAKER TECHNICAL INFORMATION

### Cabinet

The cabinet uses 18mm (0.7") high density fibre board throughout to improve the cabinet rigidity and reduce acoustic coloration.

Balanced veneers (both inside and outside the cabinet) ensure long term stability as well as ultimate cabinet rigidity.

The cabinet is braced internally with one angled brace made of high-density fibre board to stiffen the side, front and back panels and improve the cabinet's rigidity. The brace also acts as an angled reflector to break up standing waves inside the cabinet.

### Ports

Two ports extend the bass response to 55 Hz, and they are aerodynamically engineered to avoid turbulence and to maintain the structural integrity of the cabinet.

The port tuning frequency has been chosen to achieve a rhythmic sounding loudspeaker with a tight bass response not usually achievable with a ported design. The ports have been damped to maintain a flat frequency response, and prevent excess sound from escaping from the cabinet.

### Treble Driver

The treble unit has a 19mm (0.75") ceramic dome tweeter, with a ferrofluid-cooled voice coil for high power-handling. A die-cast faceplate provides good heat dissipation from the voice coil, and its rigid mounting to the cabinet improves sound quality.

The rear of the tweeter is sealed in its own enclosure. This prevents bass pressure influencing treble performance.

### Bass/midrange driver

The bass/midrange unit uses a new driver specially designed by Linn for the centre-channel. It uses a rigid polypropylene cone for a natural well-damped sound and good durability, and an aluminium voice coil former to allow good heat dissipation and high power handling. A large, high-efficiency magnet assembly gives excellent sensitivity, and the magnet is fully shielded to allow the AV 5120 to be used next to a television set.

### Crossover

Full second order bass/midrange and treble crossovers are provided, with 12dB/octave electrical response. The crossovers use high specification, audio- grade capacitors, and high current iron-dust inductors to prevent saturation and distortion.

The circuits use heavy copper tracks for low resistance and signal integrity, and high strength glass fibre circuit boards with the input sockets soldered directly to the boards to reduce contact resistance.

### Technical specifications

Volume:	14.5 litres
Frequency response:	55 Hz - 20KHz +/- 3 dB
Input impedance:	4 Ohms
Amplifier power:	Minimum: 60W into 4 Ohms
Efficiency:	92dB for 1W at 1m (1 KHz)
Magnetic screening:	Fully screened within 3 gauss from the cabinet edge
Crossover options:	Treble level can be reduced by 1 dB on the crossover board
Wiring options:	Single wiring, bi-wiring, bi-amplification, bi-amplification active and tri-amplification active
Size:	614mm x 170mm x 248mm (24.2" x 6.7" x 9.8") (H x W x D)
Weight:	10.6 Kg (23.4lb)