

100 SERIES

Owner's manual

AE120



LOUDSPEAKERS

Introduction

Congratulations on choosing the Acoustic Energy AE120 — a powerful, tri-wireable, floor-standing three-way loudspeaker capable of outstanding performance.

Please take a few moments to read this manual. The advice it contains will enable you to get the very best performance out of your Acoustic Energy loudspeakers.

The AE120 is an original Acoustic Energy loudspeaker and features critically shaped polymer-pulp cone mid and bass drivers capable of exceptional transparency and dynamics. All Acoustic Energy 100 Series loudspeakers feature fully magnetically shielded drive units to allow positioning close to a television for Home Cinema use.

The mid-range driver has a damped alignment with the classic AE double port bass loading. The bass drivers have their own separate enclosure which is reflex loaded by a high-power flared port on the rear panel. The tweeter — or treble driver — is a soft fabric dome unit matching the clarity of the rest of the system. In addition to conventional, passive driving, the AE120 is also capable of being tri-wired or tri-amped for optimum sound quality and audiophile performance.

AE120s are best heard with the tweeters at, or just below, ear height when the listener is seated. For serious listening the grilles are best removed.

Please unpack your AE120s carefully as each cabinet weighs over 25 kg (55 lb) and if necessary get someone to help you. Locate the plinths and fittings and, having carefully inverted the

Positioning

speaker, screw the plinth to the base of the cabinet using the screws and pilot holes provided. Please take extra care during this operation as the AE120 cabinet is factory fitted with mass-loading in the base and is therefore top-heavy when inverted. Please also ensure that you have tightly screwed the plinth to the cabinet, failure to do this will affect performance.

High tensile 8mm floor spikes and lock-nuts are provided for use with the plinth, these will guarantee the optimum coupling of the AE120 to the floor surface particularly in rooms fitted with carpet. The floor spike will penetrate the carpet and couple the speaker firmly to the floor structure below. The floor spikes (with lock-nut screwed down to the knurled part of the spike) should be fitted to the threaded insert in the underside of the plinth while the speaker is still inverted. The speaker is now ready for installation. Any final adjustment of spikes to eliminate cabinet wobble can now be made using a spirit level if required. The lock nuts should be tightened when the final adjustments to cabinet position and alignment have been made.

Closeness to room boundaries has a major impact on the low frequency performance. The speakers should be kept away from corners (which will produce booming). The speakers can be positioned fairly close to a back or side wall but the distance away from that wall should not approximate to the height of the speaker.

Experiment with the best position to achieve a full, yet clean bass response. Trust your judgement and ears. For best stereo imaging the speakers should be as far apart as they are from the listening position.

