

100 SERIES

Owner's manual

AE101

((AE))
LOUDSPEAKERS

Introduction

Congratulations on choosing the Acoustic Energy AE101 — a compact two-way loudspeaker, designed for stereo and multi-channel use and 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 AE101 is an original Acoustic Energy loudspeaker and features a critically shaped polymer-pulp cone mid/bass driver capable of exceptional transparency and dynamics.

The tweeter — or treble driver — is a soft dome unit matching the clarity of the rest of the system.

Positioning

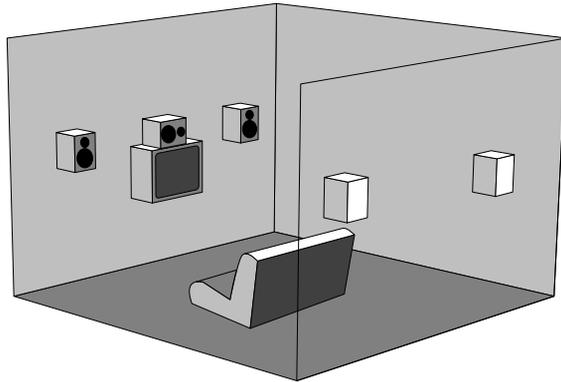
Rigid support in close proximity to large, solid boundaries (ie. walls) is essential for the speaker to develop its full detail and dynamic performance.

The brackets supplied will make full use of this 'boundary effect' which uses the large surface area of a wall to compensate for the compact size of the speaker. The two rubber feet (also supplied) should be stuck to the bottom rear corners of the cabinet to hold it slightly off the wall and allow access for speaker cable. If the AE101s are shelf mounted the support must be firm; cones are recommended beneath the cabinets. Experiment with the best position to achieve a full yet clean bass response. Trust your judgement and ears.

AE101s are designed to be used with their grilles left in place. For best stereo imaging the speakers should be as far apart as they are from the listening position.

The 101 is designed for use as a rear or effects channel speaker in a multi-channel (AV) system, but can also be used for main front and centre channels. For multi-channel use AE101s should be placed symmetrically around the listening position. If used as a centre channel speaker, it is recommended that you place the AE101 above your television on its side and have all other speakers at the same height (see diagram above right).

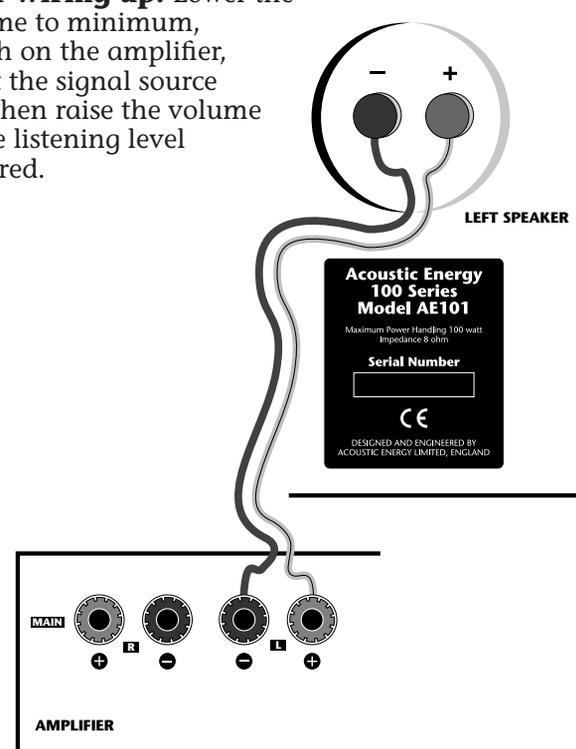
Connection



Check that your amplifier is switched off before installing your loudspeakers. Failure to do so may result in speaker or amplifier damage.

The diagram (right) illustrates one loudspeaker only. The positive (ribbed) cable from the amplifier positive (or red) terminal should connect with the positive (red) terminal on the loudspeaker. Similarly the negative (smooth) cable should connect the amplifier negative terminal (black) to the negative terminal (black) on the loudspeaker.

After wiring up: Lower the volume to minimum, switch on the amplifier, select the signal source and then raise the volume to the listening level required.



Specifications

HF unit	19 mm soft fabric dome, ferrofluid cooled and damped. Magnetically shielded
MF/LF unit	130 mm polymer-pulp diaphragm cone with a 32 mm high-power voice coil. Magnetically shielded
Crossover	5 element 12 dB per octave slope at 3.5kHz
Power handling	for use with amplifiers up to 100 watts max
Overall frequency response	60 Hz – 25 kHz
Frequency response ±3 dB	75 Hz – 18 kHz
Sensitivity	89 dB/1 w/1 m
Impedance	typically 8 ohms
Cabinet	Precision engineered low resonance sealed enclosure.15mm MDF throughout
Terminals	Gold-plated binding posts
Weight	4 kg each
Dimensions (WxHxD)	267x167x124 mm

Warranty

Your Acoustic Energy loudspeakers are guaranteed against original defects in materials, manufacture and workmanship for 3 years from the date of purchase. Please retain all original packaging materials for possible future use. We suggest that you complete details of purchase now and keep this information in a safe place for future reference.

Under this warranty Acoustic Energy agrees to repair any defect or, at the company's discretion, replace the faulty component(s) without charge for parts and labour. This warranty does not imply any acceptance by Acoustic Energy or its agents for consequential loss or damage and specifically excludes fair wear and tear, accident, misuse or unauthorised modification.

This warranty is applicable in the United Kingdom only and does not in any way limit the customer's legal rights. Claims and enquiries under the warranty for AE products purchased outside the UK should be addressed to the local importers or distributors.

If you have reason to claim under the warranty please contact your dealer in the first instance.

Dealer's name:.....
 Address:

 Date of purchase:
 Serial numbers:

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