

AESPRIT
301

Owner's manual

AESPRIT
301

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ACOUSTIC ENERGY

Introduction

Congratulations on choosing the Acoustic Energy AESPRIT 301, a powerful two-way rear channel speaker which features metal diaphragm technology and is 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 AESPRIT 301 utilises metal cone mid-bass drive unit technology, proven in the AE Reference series. The rigid anodised alloy cone ensures pure piston action and also acts as a heat sink for the bonded voice coil. These features provide exceptional clarity, transparency, dynamics and power handling.

The tweeter - or treble driver - is a high-quality neodymium unit with a silk fabric dome integrating smoothly with the rest of the system.

All drive units are fully magnetically shielded so that the speakers can be used in close proximity to a TV screen or monitor for AV applications.

The Acoustic Energy AESPRIT 301 loudspeaker uses quality OFC internal wiring, which enhances detail and transparency.

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 Aesprit 301s 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.

Aesprit 301s 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.

Connection

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

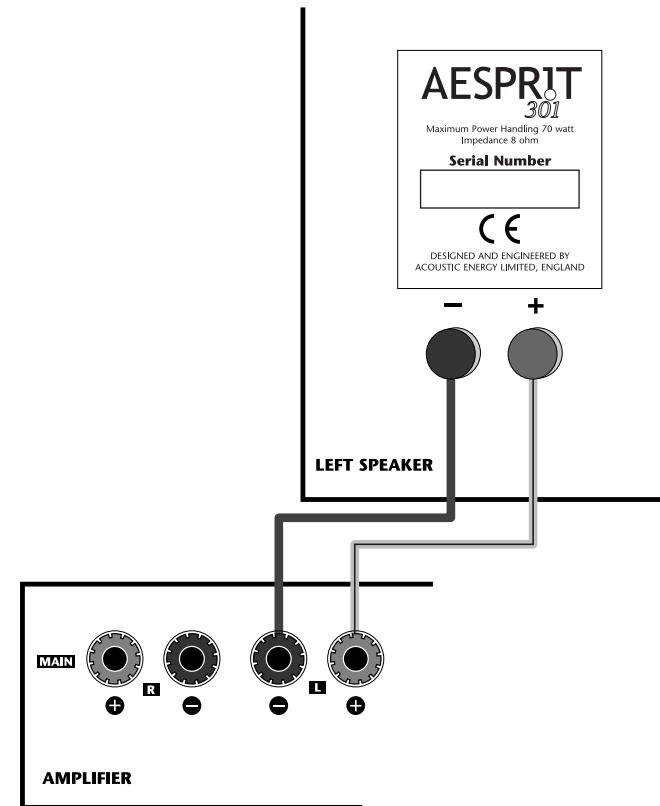
The diagram illustrates one loudspeaker only.

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 the minimum, switch on the amplifier, select the signal source and then raise the volume to the listening level required.



Specifications

HF unit	Neodymium tweeter with high dispersion diaphragm. Ferro fluid cooled and damped. Magnetically shielded.
LF unit	80mm die-cast chassis. Lightweight alloy cone with 25mm coil. High-power, long-throw magnet system. Magnetically shielded.
Crossover	@ 3.2 kHz 2nd order LF 3rd order HF
Power Handling	70W max (undistorted program drive)
Frequency response ±6dB	60Hz to 23kHz
Frequency response ±3dB	78Hz to 21kHz
Sensitivity	87.5 dB/W
Impedance	8 ohm (5.5 ohm minimum)
Cabinet	Real wood veneered. 12 mm MDF wrap. 18 mm MDF front baffle.
Terminals	Gold-plated 2-way binding posts.
Weight (excl. packaging)	3kg
Dimensions (WxHxD)	140 x 260 x 121 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 or 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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