ACOUSTIC ENERGY

100 SERIES

OWNERS MANUAL

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Positioning

The 100 Series are very flexible with regard to positioning and are designed to work well wherever they are located within the listening environment. There are however some basic guidelines that should be followed (where possible) for optimum performance:

The tweeters (high frequency drivers, N/A to subwoofer) should ideally be at ear level when the listener is seated and for serious listening the grilles are best removed where practical. The 107 may require placement lower if used with a screen in typical A/V layout.

Rigid support is necessary for the speakers to deliver optimum dynamic response and detail, the 100's and 107 benefit from either good stands or a solid surface below them, the 109's and 108 should be used with their own floor spikes where possible. Extra coupling can be achieved with standard mounting tack used to secure placement.

Room positioning: The 100 Series speakers are all "room-friendly" models and should be able to be placed where most convenient with minimal detriment to sound. Where possible a minimum of 6" (15cm) of space should be allowed between the speakers and boundary walls. Stereo models should be the same distance from each other as the listening position.

Experiment and listen to what works best for you, trust your own ears and judgement.

Specifications

	AE100	AE109	AE107	AE108
Sensitivity[1]	87dB	89dB	90dB	NA
Bandwidth[2]	45Hz to 35kHz	40Hz to 35kHz	40Hz to 35kHz	30Hz to 110Hz
Horizontal Coverage[3]	120 degrees	120 degrees	50 degrees	360 degrees
Vertical Coverage	120 degrees	50 degrees	120 degrees	360 degrees
Peak SPL[4]	110dB	113dB	113dB	108dB[7]
Maximum SPL[5]	100dB	106dB	106dB	99dB[7]
Impedance	4 ohms	4 ohms	4 ohms	4 ohms
Power handling[6]	75W	150W	150W	150W
Crossover Frequency	3.6kHz	2.3kHz	2kHz	40-110Hz adjustable
Dimensions (HWD)	270x160x240mm	800x160x240mm	165x420x240mm	280mm³
Weight (Each)	4.5kg	16kg	7kg	8kg

1. Measured at 1m using pink-weighted MLS noise, referenced to 2.83V.
2. Measured at 1m using pink-weighted MLS noise, +/-6dB limits.
3. Measured at 1m using pink-weighted MLS noise, +/-6dB limits.
4. Measured using a toneburst signal with a 200W amplifier.
5. Measured using a band limited sine sweep using a 200W amplifier.
6. According to AES Standard ANSI S4.26-1984.
7. Measured in Half Space at 1m.

ACOUSTIC ENERGY LTD
16 Bridge Road,
Cirencester,
Gloucestershire,
GL7 1NJ

Tel: +44(0) 1285 654432
Fax: +44(0) 1285 654430
Email: info@acoustic-energy.co.uk

www.acoustic-energy.co.uk

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