ACOUSTIC ENERGY

300 SERIES

OWNERS MANUAL

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Positioning

The 300 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 307 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 300's and 307 benefit from either good stands or a solid surface below them, the 309's and 308 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 300 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

	AE300	AE309	AE307	AE308
Sensitivity[1]	86dB	89dB	89dB	NA
Bandwidth[2]	45Hz to 30kHz	38Hz to 30kHz	42Hz to 30kHz	26Hz to 120Hz
Horizontal Coverage[3]	120 degrees	120 degrees	90 degrees	360 degrees
Vertical Coverage	120 degrees	90 degrees	120 degrees	360 degrees
Peak SPL[4]	112dB	115dB	115dB	112dB[7]
Maximum SPL[5]	102dB	108dB	108dB	102dB[7]
Impedance	6 ohms	6 ohms	6 ohms	NA
Power handling[6]	100W	175W	175W	500W (Active)
Crossover Frequency	2.8kHz	296Hz / 2.56kHz	296Hz / 2.56kHz	40-110Hz adjustable
Dimensions (HWD)	300x175x260mm	900x175x280mm	175x460x260mm	360mm³
Weight (Each)	6.5kg	22kg	9kg	20kg

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.

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