

SCM50 ASL Three-way 350 Watt Loudspeaker System

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ACOUSTIC ENGINEERS

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Overview

As multi-channel systems increase in popularity, it is easy to forget that the basic stereo pair of speakers at the front of the listening area remains an essential element. Existing libraries of recorded music, the commitment of recording companies to stereo in its current form and the new high resolution digital two-channel formats indicate that stereo will continue to be the main source of recorded music for the foreseeable future. For these reasons ATC still regards the main stereo speaker pair as the foundation on which a high performance multi-channel system can be built. What better way to establish that foundation than by choosing the world-renowned and hugely capable SCM50 ASL three-way active monitor.

Specifications

	SCM50 ASL (Active)	SCM50 SL (Passive)
Drivers:		
HF	25mm (1")	25mm (1")
Mid	75mm (3")	75mm (3")
Bass	234mm (9") Super Linear	234mm (9") Super linear
Amplitude Linearity ± 2dB	80Hz - 17kHz	80Hz - 17kHz
Frequency response (-6dB free standing)	40Hz & 22kHz	40Hz & 22kHz
Matched Response	+/- 0.5dB	+/- 0.5dB
Dispersion:		
Horizontal	$\pm 80^\circ$ Coherent	$\pm 80^\circ$ Coherent
Vertical	$\pm 10^\circ$ Coherent	$\pm 10^\circ$ Coherent
Sensitivity (sine wave)	Not applicable	85dB @ 1W @ 1metre
Max continuous SPL @ 1 metre	112dB SPL	112dB SPL
Crossover Frequencies	380Hz and 3.5kHz	380Hz and 3.5kHz
Input Connections	XLR	Binding posts/4mm banana plugs
Input Sensitivity	1V	Not applicable
Input Impedance	>10k ohms balanced XLR	Not applicable
Amplifier Output:		Not applicable
HF	50 Watts RMS	
Mid	100 Watts RMS	
Bass	200 Watts RMS	
Recommended Power Amplifier	Not applicable	100 to 1500 Watts
Nominal Impedance	Not applicable	8 Ohms
Overload Protection	LDR tweeter protection, plus active FET MGR (amplifiers)	Not applicable
Power Requirements:		Not applicable
Voltage	100, 115, 230 (factory set)	
Frequency	50/60Hz	
Power	Nominal 90 Watts Driven 350 Watts	
Cabinet Dimensions (HxWxD)	717 x 304 x 480mm (inc amps)	717 x 304 x 425mm
Overall Weight	48.9kg (107.5lb)	41.1kg (90.5lb)
Cabinet Finishes	Standard real wood veneers are available in Black Ash, Walnut, Cherry, Rosewood and Yew. Other veneers and finishes can also be supplied to special order	

ATC reserves the right to vary products and specifications without prior notice.

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The SCM50 ASL (active) and SCM50 SL (passive) are designed to perform at their best in the recording studio or at home with the finest quality hi-fi equipment. The monitors' ability to reproduce music and speech with phenomenal accuracy, transparency and dynamics lies mainly in the SM75-150S soft dome midrange driver. However, recent modifications that include an upgraded tweeter and enhanced port profile have brought about further improvements in all performance parameters.

Each drive unit in the active model has its own dedicated and individually matched MOS-FET amplifier, while the 9" bass driver incorporates ATC's unique Super Linear Magnet technology. Our active crossover network consists of a wide band-width, electronically balanced input stage with high common mode rejection and very low distortion. Like the mid and bass drivers, all electronics are designed and manufactured in-house to create a no-compromise active system. In passive form, the SCM50 SL provides broad and symmetrical dispersion, excellent amplitude and phase characteristics throughout the frequency range.



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Loudspeaker Technology Ltd, Gypsy Lane, Aston Down, Stroud, Gloucestershire GL6 8HR United Kingdom

Telephone 01285 760561 Fax 01285 760683

Email: info@atc.gb.net Website: www.atc.gb.net