

SCM100 ASL Three-way 350 Watt Loudspeaker System

SCM100 ASL



ACOUSTIC ENGINEERS

	SCM100 ASL (Active)	SCM100 SL (Passive)
Drivers:	HF Mid Bass	25mm (1") 75mm (3") 314mm (12") Super Linear
Amplitude Linearity ± 2 dB	80Hz - 17kHz	80Hz - 17kHz
Cut-off Frequencies (-6dB free standing)	35Hz & 20kHz	35Hz & 20kHz
Matched Response	± 0.5 dB	± 0.5 dB
Dispersion:	Horizontal Vertical	$\pm 80^\circ$ Coherent $\pm 10^\circ$ Coherent
Sensitivity (sine wave)	Not applicable	88dB @ 1W @ 1metre
Max continuous SPL @ 1 metre	115dB SPL	115dB SPL
Crossover Frequencies	380Hz and 3.5kHz	380Hz and 3.5kHz
Input Connections	XLR	Binding posts/4mm banana plugs
Input Sensitivity	IV	Not applicable
Input Impedance	>10k ohms balanced XLR	Not applicable
Amplifier Output:	HF Mid Bass	Not applicable
Recommended Power Amplifier	50 Watts RMS 100 Watts RMS 200 Watts RMS	100 to 1500 Watts
Nominal Impedance	Not applicable	8 Ohms
Overload Protection	LDR, tweeter protection, plus active FET MGR (amplifiers)	Not applicable
Power Requirements:	Voltage Frequency Power	Not applicable
Cabinet Dimensions (HxWxD)	834 x 400 x 585mm (inc amps)	834 x 400 x 530mm
Overall Weight	64.8kg (142.5lb)	57kg (126.5lb)
Cabinet Finishes	Standard real wood veneers are available in Black Ash, Mahogany, Cherry and Natural Oak. Other veneers and finishes can also be supplied to special order	

ATC reserves the right to vary products and specifications without prior notice. Acoustic Transducer Co. is a trading name and ATC is the registered trade mark of Loudspeaker Technology Ltd.

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 immensely powerful and highly dynamic SCM100 ASL three-way active monitor.

The SCM100 ASL (active) and SCM100 SL (passive) have been built to perform best with the finest quality hi-fi equipment which means, for many music and film lovers, our monitors have performance reserves that will never be fully utilised. Like their smaller brother, the SCM50 ASL, the monitors' ability to reproduce music and speech with phenomenal accuracy, transparency and dynamics lies mainly in the SM75-1505 soft dome midrange driver. Bass performance is equally impressive, thanks to ATC's

12" professional level bass driver that incorporates the company's unique Super Linear Magnet technology. Bass, mid and HF drive units in the active model have their own dedicated and individually matched MOS-FET amplifiers. ATC's active crossover network consists of a wide bandwidth, electronically balanced input stage with high common mode rejection and very low distortion. In passive form, the SCM100 SL provides broad and symmetrical dispersion, excellent amplitude and phase characteristics throughout the audio frequency range.



ACOUSTIC ENGINEERS

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

Telephone 01285 760561 Fax 01285 760683

Email: info@atc-gb.net Websites: www.atc-gb.net www.softdome.co.uk