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# SCM45A Pro

## ATC launches SCM45A Pro high-performance three-way active loudspeaker

**ASTON DOWN, GLOUCESTERSHIRE, UK:** specialist British loudspeaker drive unit and complete sound reproduction system manufacturer **ATC** is proud to launch the **SCM45A Pro** — an all-new high-performance, three-way compact active loudspeaker — at The NAMM Show 2015, January 22-25 in Anaheim, California...

The **SCM45A Pro** is a completely new design, yet shares many features with its smaller sibling, the highly-successful **SCM25A Pro** three-way, compact active loudspeaker. As a mid-size, three-way design that can be used in near- or mid-field positions, the **SCM45A Pro** perfectly fills a gap in **ATC**'s high-performance, professional active studio monitoring loudspeaker range. It has high output and delivers extended low frequency for its size — and all without compromising the overall balance for which **ATC** is so well known.

Like the **SCM25A Pro**, the new **SCM45A Pro** is an active three-way design with an unprecedented linear response across the critical midrange, as well as across the rest of the audible frequency range. In contrast to the **SCM25A Pro**, the **SCM45A Pro** features a second woofer for deeper bass response and increased SPL (Sound Pressure Level) capability, as well as **ATC**'s new proprietary dual-suspension tweeter — the first to be designed and built by the company, and the result of six years of research and development by **ATC Managing Director Billy Woodman** and **R&D Engineer Richard Newman** — for increased resolution in the top end.

*"Anybody who knows ATC will recognise that we very rarely release a completely new loudspeaker model," maintains Newman, before adding: "All of our products have a very long history, each evolving to become what they are today. The **SCM45A Pro** is especially exciting since not only is it a completely new addition to the range, but it's also the first **ATC** three-way professional monitor to incorporate our new high-performance **SH25-76S** dual-suspension tweeter. The **SCM45A Pro** also incorporates a new variant of our existing **SB50-164** short-coil bass driver, which we designed and engineered specifically to operate in a parallel wired pair. Given that the efficiency of our three-way models is essentially set by the bass driver, the larger combined radiating area of the two 6.5-inch bass drivers increases system efficiency, putting less demand on each individual bass driver and reducing drive unit excursion for a given SPL and low frequency response. This results in further reduced non-linear distortions in the bass drivers' 20Hz to 380Hz operating band. With the addition of our renowned hand-built, soft dome midrange and the new **SH25-76S** dual-suspension tweeter, the drive units in the loudspeaker constitute a formidable trio."*

Those drive units are powered by **ATC**'s proprietary active **Tri - AmpPack**, a three-channel discrete MOSFET Class A/B design with 150W, 60W, and 25W for the bass, mid, and high frequency ranges, respectively. Revealingly, the **SCM45A Pro** is physically symmetrical — not mirror imaged, and is suitably sized for placement on or behind a console meter bridge. It is ideally suited, therefore, to positioning as a centre speaker between other **SCM45A Pros** and also **ATC**'s acclaimed **SCM50ASL Pro** three-way active loudspeakers. *"Every aspect of the loudspeaker has been laboured over — from the drive units and amplifier design to the cabinet," concludes Newman. "The result is a compact, yet high-performance professional monitor worthy of taking its place in our professional monitor range."*

**ATC**'s US distributor, **TransAudio Group**, is showcasing the **SCM45A Pro** in Hall A, Booth #6945 at The NAMM Show 2015, January 22-25, in Anaheim, California. Come check it out.



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**The SCM45A Pro high-performance three-way active loudspeaker will be shipping from February 16, 2015, available worldwide from any authorised ATC stockist for £7,042.00 GBP (plus VAT) per pair.**

**For more detailed information, please visit the SCM45A Pro product webpage here:**

**<http://www.atcloudspeakers.co.uk/professional/loudspeakers/scm45a-pro/>**



Print-ready, hi-res images:

<http://www.atcloudspeakers.co.uk/wp-content/uploads/2015/01/SCM45A-Pro-3-4.jpg>

<http://www.atcloudspeakers.co.uk/wp-content/uploads/2015/01/SCM45A-Pro-Front.jpg>

<http://www.atcloudspeakers.co.uk/wp-content/uploads/2015/01/SCM45A-Pro-Rear.jpg>

## About ATC ([www.atcloudspeakers.co.uk/professional](http://www.atcloudspeakers.co.uk/professional))

**ATC** (Acoustic Transducer Company) is a specialist British manufacturer of loudspeaker drive units and complete sound reproduction systems, including all associated electronic equipment. All such systems and components are designed and built in-house to achieve levels of performance far in excess of the industry norm by adopting a thoroughly professional engineering approach to the issues of basic design, materials science, and production technology. Formed in 1974 to manufacture custom drive units for the professional sound industry, ATC's groundbreaking 'Soft Dome' mid driver technology was originally developed in 1976 and is still featured in the company's current SCM25A Pro, SCM45A Pro, SCM50ASL Pro, SCM100ASL Pro, SCM110ASL Pro, SCM150ASL Pro, SCM200ASL Pro, and top-of-the-range SCM300ASL Pro three-way active professional series loudspeakers. Constantly improved, it is still unique in innovation, and remains the only midrange device capable of delivering ultimate performance; flatteringly, it has been widely copied — without success. Similarly, the 'Super Linear' technology found in ATC's professional series bass drive units is equally unique — not only in its ability to accurately reproduce piano, but also the precise manner in which male voices are articulated. All drive units in ATC active professional monitors are powered by their own ATC-designed amplifier, optimised for the relevant bandwidth, and all amplifiers — working substantially in Class A — feature even-order-filtered active crossovers that are individually aligned and phase-corrected to ensure unmatched stereo imaging.