

e n t r y s e r i e s



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INTRODUCING A NEW SERIES OF HAND-BUILT 2- AND 3-WAY PASSIVE & ACTIVE MONITORS FROM ATC

Manufactured in house to exacting tolerances, ATC's drive units are legendary for their many design innovations.

For example, all voice coils are edgewise wound ribbon, OFHC (oxygen free high conductivity), copper wire operating in a precision machined magnetic gap. The magnet assembly also has a hole through the pole allowing air to be vented from under the dust cap reducing air flow noise at low frequencies and at the same time increasing power handling and reliability.

Coloration is minimized by ensuring that the diaphragm assembly and drive system are extremely well damped therefore eliminating unwanted resonances.

The unique Soft Dome technology that features in the midrange driver of the SCM40 floor-standing monitor was developed by ATC in 1976. Its arrival revolutionised professional studio monitoring.

Remarkably today, as then, it remains the only midrange device capable of giving ultimate performance.

The Super Linear Technology found in the SCM19 model is equally ground-breaking.

It has long been recognised that the detrimental effects of magnetic hysteresis is a significant factor in the production of distortion in loudspeaker drive units. With the clever use of revolutionary materials developed for the communications industry the problem has been solved for all time in the form of

ATC's SL drive units. They are unique not only in their ability to accurately reproduce piano but also in the precise manner they articulate the human voice. This is hardly surprising given the reduction in third harmonic distortion by 10-15dB between 100Hz and 3KHz.

Constrained Layer Damping (CLD) is another new drive unit diaphragm technology from ATC that has been integrated into the SCM11 monitor and represents a step-change in drive unit performance and the reproduction of music. Performance improvements include reduced harmonic distortion between 300Hz and 3KHz, extended frequency response and improved off-axis response.

The four passive and two active loudspeaker systems in the Entry Series are the first to employ ATC's SH25-76 tweeter. Sharing technology with the renowned ATC Soft Dome midrange drive unit the new tweeter employs a unique dual suspension system suppressing diaphragm rocking modes even at high output levels.

The ATC drive configuration of a short edgewise wound voice coil operating in a long magnetic gap ensures exceptionally low distortion throughout its operating band and removes the need for ferrofluids which can dry out over time and impair performance.

Built to give a lifetime of service and musical pleasure all ATC products carry a 6 year warranty.



Passive Entry models can be ordered in Black or White Satin finish; Cherry or Black Ash veneer



p a s s i v e e n t r y s e r i e s

Who would have thought that such high levels of audiophile performance
could be so affordable?



S C M 7 : 2 - w a y p a s s i v e

Features

- New ATC designed and built 25mm Soft Dome HF unit with precision alloy wave guide.
- 125mm ATC mid/bass unit with integral Soft Dome.
- In-house, hand-wound precision flat wire coil.
- 3Kg optimised motor assembly.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm dual suspension Tweeter, Mid/LF ATC 125mm SC **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 60Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Sensitivity :** 84dB @ 1W @ 1metre **Max SPL :** 103dB
Recommended Power Amplifier : 75 to 300 Watts **Nominal Impedance :** 8 Ohm **Crossover Frequency :** 2.5kHz
Connectors : Binding Posts/4mm Plugs, bi-wire **Cabinet Dimensions (HxWxD) :** 300x174x215mm (grill adds 28mm to depth) **Weight :** 7.5kg

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





SCMI I : 2 - w a y p a s s i v e

Features

- New ATC designed and built dual suspension 25mm soft dome HF unit with precision alloy wave guide.
- Precision undercut bass pole.
- CLD driver technology with 45mm integral Soft Dome.
- In-house, hand-wound precision flat wire coil.
- Massive optimised motor assembly.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HFATC 25mm dual suspension Tweeter, Mid/LF ATC 150mm CLD **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 56Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Sensitivity :** 85dB @ 1W @ 1metre **Max SPL :** 108dB
Recommended Power Amplifier : 75 to 300 Watts **Nominal Impedance :** 8 Ohm **Crossover Frequency :** 2.2kHz
Connectors : Binding Posts/4mm Plugs, bi-wire **Cabinet Dimensions (HxWxD) :** 381x232x236mm (grill adds 28mm to depth) **Weight :** 10.9kg

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SCMI 9 : 2 - w a y p a s s i v e

Features

- New ATC designed and built dual suspension 25mm soft dome HF unit with precision alloy wave guide.
- SL spec bass driver with 75mm integral Soft Dome.
- 9kg optimised short-coil/long gap motor assembly.
- In-house, hand-wound precision flat wire coil.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm dual suspension Tweeter, Mid/LF ATC 150mm Super Linear **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 54Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Sensitivity :** 85dB @ 1W @ 1metre **Max SPL :** 108dB
Recommended Power Amplifier : 75 to 300 Watts **Nominal Impedance :** 8 Ohm **Crossover Frequency :** 2.5kHz
Connectors : Binding Posts/4mm Plugs, bi-wire **Cabinet Dimensions (HxWxD) :** 438x265x300mm (grill adds 34mm to depth) **Weight :** 17.8kg

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S C M 4 0 : 3 - w a y p a s s i v e

Features

- New ATC designed and built 25mm Soft Dome HF unit with precision alloy wave guide.
- ATC 164mm short coil bass driver.
- Massive optimised motor assembly.
- ATC Soft Dome mid-range driver.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm dual suspension Tweeter, Mid ATC 75mm Soft Dome, LF ATC 164mm SC **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 48Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Sensitivity :** 85dB @ 1W @ 1metre **Max SPL :** 112dB
Recommended Power Amplifier : 75 to 300 Watts **Nominal Impedance :** 8 Ohm **Crossover Frequencies :** 380Hz & 3.5kHz **Connectors :** Binding Posts/4mm Plugs, tri-wire
Cabinet Dimensions (HxWxD) : 980x370x305mm (inc. foot plinth, spikes add 25mm to height, grill adds 34mm to depth) **Weight :** 31kg

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Active Entry models can be ordered in Black or White Satin finish; Cherry or Black Ash veneer



active entry series

Why go active when our passives already sound so good?

- Perfectly matched dedicated amplifiers for each frequency band
- Active crossover filters with phase correction ensure accurate timbre, excellent imaging and source location
- A flat magnitude response that is not changed with power input level
- A 20dB improvement in intermodulation distortion
- Better controlled low frequency
- A greater dynamic range for the same input voltage



SCMI9A : 2 - w a y a c t i v e

- Features
- New ATC designed and built dual suspension 25mm soft dome HF unit with precision alloy wave guide.
 - "SL" spec bass driver with 75mm integral Soft Dome.
 - 9kg optimised short-coil/long gap motor assembly.
 - On-board grounded source 182 watt Class A/B Bi-amplifier.
 - Active filters and overload protection.
 - 6 year warranty.

Specifications

Drivers : HF ATC 25mm dual suspension Tweeter, Mid/LF ATC 150mm SL **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 54Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Max SPL :** 108dB **Crossover Frequency :** 2.5kHz **Connectors :** Male XLR
Input sensitivity : 1V **Filters :** 2nd Order critically damped with phase compensation **Overload Protection :** Active FET momentary gain reduction
Fault Protection : DC fault protection and thermal trip. Fault indication on rear panel mounted LED **Amplifier Output :** 150W LF, 32W HF
Cabinet Dimensions (HxWxD) : 980x370x344mm (spikes add 25mm to height, grill adds 34mm to depth) **Weight :** 31kg

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SCM40A : 3 - w a y a c t i v e

Features

- New ATC designed and built dual suspension 25mm soft dome HF unit with precision alloy wave guide.
- ATC Soft Dome mid-range driver.
- ATC 164mm short coil bass driver.
- All drive units incorporate massive optimised motor assemblies.
- On-board grounded source 242 watt Class A/B Tri-amplifier.
- Active filters and overload protection.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm dual suspension Tweeter, Mid 75mm ATC Soft Dome, LF ATC 164mm SC **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 48Hz-22kHz
Dispersion : ±80° Coherent Horizontal, ±10° Coherent Vertical **Max SPL :** 112dB **Crossover Frequencies :** 380Hz & 3.5kHz **Connectors :** Male XLR
Input sensitivity : 1V **Filters :** 4th Order critically damped with phase compensation **Overload Protection :** Active FET momentary gain reduction
Fault Protection : DC fault protection and thermal trip. Fault indication on rear panel mounted LED **Amplifier Output :** 150W LF, 60W MF, 32W HF
Cabinet Dimensions (HxWxD) : 980x370x344mm (inc. foot plinth and amplifier stand-offs. Spikes add 25mm to height, grill adds 34mm to depth) **Weight :** 36kg

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Entry Series multichannel models include
C1C and C3C centre channel units and C1S sub (not pictured).
Each are available in Cherry or Black Ash veneer;
Black or White Satin finish



m u l t i c h a n n e l e n t r y s e r i e s

The perfect upgrade path to outstanding surround sound

- Centre speakers and sub designed to perfectly compliment Entry Series stereo speakers
- High dynamic range enhances the excitement and impact of modern film soundtracks
- Centre speakers offer outstanding vocal clarity and definition
- Excellent efficiency and 8 ohm nominal impedance offer an easy amplifier load
- Discrete, compact design for easy integration into a wide range of listening environments



C I C : 2 - w a y p a s s i v e c e n t r e c h a n n e l

Features

- Compatible ATC products for surround sound system: SCM 7, SCM 11.
- New ATC designed and built 25mm soft dome HF unit with precision alloy wave guide.
- Twin 125mm ATC mid/bass unit with integral soft dome.
- Massive FEA optimised motor assemblies.
- In-house, hand wound precision flat wire coils.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm Neodymium, Mid/LF 125mm **Matched Response :** +/- 0.5dB **Frequency Response (-6dB) :** 57Hz-22kHz
Sensitivity : 86dB @ 1W @ 1metre **Max SPL :** 103dB **Nominal Impedance :** 8 Ohm **Recommended Power Amplifier :** 75 to 300 Watts
Crossover Frequency : 2.5kHz **Cabinet Dimensions (HxWxD) :** 161x410x280mm (grill adds 28mm depth) **Weight :** 12kg

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





C 3 C : 2 - w a y p a s s i v e c e n t r e c h a n n e l

Features

- Compatible ATC products for surround sound system: SCM 11, SCM 19, SCM 40.
- New ATC designed and built 25mm soft dome HF unit with precision alloy wave guide.
- Twin ATC 150mm "CLD" mid/bass drivers.
- Precision undercut bass pole.
- Massive FEA optimised motor assemblies.
- In-house, hand wound precision flat wire coils.
- Flat impedance curve allowing easy load for amplifiers.
- 6 year warranty.

Specifications

Drivers : HF ATC 25mm Neodymium, Mid/LF 150mm CLD **Matched Response** : +/- 0.5dB **Frequency Response (-6dB)** : 54Hz-22kHz
Sensitivity : 88dB @ 1W @ 1metre **Max SPL** : 108dB **Nominal Impedance** : 8 Ohm **Recommended Power Amplifier** : 75 to 300 Watts
Crossover Frequency : 2.2kHz **Cabinet Dimensions (HxWxD)** : 230x500x303mm (grill adds 28mm depth) **Weight** : 18kg

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461mm



C I S : active sub bass

- Features
- Compatible ATC products for surround sound system: SCM7, SCMI1, SCMI9 & 19A, SCM40 & 40A.
 - ATC 12"/314mm bass driver.
 - Massive motor assembly.
 - In-house, hand wound precision flat wire coils.
 - ATC 200W amplifier.
 - Active filters and overload protection.
 - 6 Year warranty.

Specifications

Driver : LF 12"/314mm **Frequency Response (-6dB) :** 18Hz–250Hz **Max SPL :** 109dB **Amplifier Output :** LF 200 Watts
Cabinet Dimensions (HxWxD) : 461x360x360mm **Weight :** 24kg

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



ACOUSTIC ENGINEERS

Entry Series Subwoofer

Serial Number _____

Designed and manufactured by
Acoustic Transducer Company
Grove Road, Boreham, Essex, UK

Line Level/LFE Inputs
Left Right

Hi-Level Inputs

Remote Trigger
On/Off Standby

Fuse

Voltage Select

POWER

NO USER SERVICEABLE PARTS INSIDE

3000VA MAX



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Acoustic Transducer Company is the trading name and  is the registered trade mark of Loudspeaker Technology Ltd.