



Multichannel Systems

ACOUSTIC ENGINEERS

*Introducing five active/passive
loudspeaker collections from ATC.
Choose from our recommended system
configurations or, alternatively, mix and match
from our impressive range of individual speakers.
Capable of fulfilling every music and movie
home theatre requirement, ATC speakers offer a level
of performance,
value and flexibility
unequalled by any
other loudspeaker
manufacturer.*



ATC MULTICHANNEL

ATC

FIVE New Loudspeaker Collections

Launching five complete 5.1 or 7.1 Active/Passive Loudspeaker Collections gives ATC the ability to demonstrate to installers and home users the remarkable dynamics, ruggedness and sonic accuracy which distinguishes ATC Loudspeaker products from all others:

Concept 7 Collection
Active or Passive

Concept 6 Collection
Active or Passive

Concept 4 Collection
Active Only

Concept 2 Collection
Active or Passive

Concept 1 Collection
Passive Only (Active Sub)

Each Collection has its own distinctive styling and incorporates a dedicated horizontal centre channel with two bass drivers and a powerful sub. All speakers are available individually.

ATC Loudspeakers.

Best for Performance,
Value and Choice!

Since all ATC Multichannel components are capable of handling high digital bit recordings, replayed at high SPLs with low distortion, they have become the preferred choice of many professional studios.



Concept 7 *"The best speaker system in the world"*
Stereophile Guide to Home Theatre



Concept 6 *"ATC's Active 50 monitor wins Editor's Choice"*
Hi-Fi Choice Magazine



Concept 4 *"Critically acclaimed by BBC Music Magazine 02/02, Home Entertainment Magazine 07/01 and Home Cinema Choice"*



Concept 2 *"Precision and control are the watchwords"*
ATC Active 10 Monitor: 5 star review in What Hi-Fi

Multichannel Collections

These include the Sony DVD Mastering Suite in New York, the Pioneer Mastering Suite in Barcelona, TODD AO, Chelsea Studios, New York, Naxos and Chandos.

ATC Loudspeakers were also chosen by DTS to launch their new 96/24bit algorithm at AES Amsterdam 2001 and by SACD to launch Multichannel SACD at CES Las Vegas 2002.

The result is that whichever ATC loudspeaker model(s) chosen for a home theatre installation, the user will experience accuracy, wide dispersion, and a tonal timbre signature which is utterly consistent and convincing, whether reproducing stereo, Multichannel, vocals, music or movie soundtracks.

ACTIVE V PASSIVE AMPLIFICATION FOR MULTICHANNEL

Whilst most ATC speakers are available in either Active or Passive configuration, the advantages of Active Speakers in Multichannel applications cannot be overstated. A custom-designed ATC amplifier, powering its own ATC hand-built drive unit, gives performance and cost benefits, less harmonic distortion, higher efficiency and greater dynamic headroom that cannot be matched by separates.

ATC's 4th order electronic crossovers produce highly linear amplitude response for exceptional performance. Significant space saving, and elimination of costly cables are additional benefits of ATC Active Onboard Amplification.

ATC's Exclusive Mix & Match Concept Explained

ATC's exclusive Mix & Match Concept has its origins in the demands of ATC's professional clients needing accuracy and a consistent sonic signature (timbre) regardless of the size of the monitor. Many studios and recording companies require portable monitors such as the ATC 20, 50 and 100 for location monitoring, yet demand the same accuracy and sonic signature, only on a larger scale, when producing the final studio mix, where ATC 100, 150, 200 or 300's would be installed.

To meet these stringent needs, ATC developed heavily engineered well damped drivers, designed to reproduce a wide dynamic range with minimal compression.

The innovative Mix & Match facility allows users, installers and architects to select from a wide range of active and passive professional and domestic speakers, to precisely match system requirements in terms of budget, number of channels, SPLs, room

size and decorative finish.

With a range of sizes, power delivery, finishes and colours, which include high-tech alloys, real wood finishes and professional black, the choice of models is as impressive as their performance.

ATC's Custom Build Option unequaled by other manufacturers

As all loudspeakers are handbuilt to order, ATC can design and build special enclosures, thereby solving the installers problem of how to deal with 'awkward' installation requirements. ATC's skilled acoustic engineers are available to give advice on the ideal loudspeaker configuration for any installation.

ATC WORLD BEATING TECHNOLOGIES FOR SUPERIOR PERFORMANCE HAND WOUND SHORT VOICE COILS IN LONG MAGNETIC GAP

ATC's handwound short voice coils using high-density edgewound flat OFC wire operate in a precision long magnetic gap, with front and rear magnet venting to reduce airflow noise, increase power, handling, and long term reliability. ATC SOFT DOME TECHNOLOGY is responsible for the critically acclaimed smoothness and accuracy of the Company's mid-range drivers. This same soft dome technology also gives wider-than-average dispersion, essential for seamless listening to both stereo and multichannel sources. SUPER LINEAR MAGNET TECHNOLOGY (SLM) uses pressure-formed powdered iron magnets to dramatically reduce distortion and enhance bass performance. Technical white papers demonstrating the benefit of these technologies are available from ATC upon request.

SIX-YEAR WARRANTY. All ATC products benefit from the Company's dedication to engineering integrity. From the use of massive magnets and heavy cast speaker baskets, to substantial cabinets and robust electronics, all ATC products are manufactured for the peace of mind of domestic and professional users.



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Concept 1 "Sensational, with top class resolution, terrific dynamics and impressive stereo imaging" ATC SCM7 Monitor: Five star review in What HI-FI 08/01

ATC Multichannel Collections: System Configurations and Specifications

	CONCEPT 1	CONCEPT 2	CONCEPT 4	CONCEPT 6	CONCEPT 7
Front Left/Right Channel	SCM7 Passive	Active 10	T16 Active	Active 50	SCM70 Active
Tweeter	1"	1"	1"	1"	1"
Mid	5"	5"	5.5"	3" Dome	3" Dome
Bass	-	-	-	9"	9"
Max SPL	103dB	105dB	108dB	112dB	112dB
Power	N/A	250 watts	250 watts	350 watts	350 watts
Frequency Response	60Hz-20kHz	45Hz-22kHz	62Hz-23kHz	38Hz-20kHz	35Hz-22kHz
Weight	7kg	15.5kg	17.5kg	83.6kg	72kg
Cabinet Size (HxWxD)mm	300x160x205	390x230x310	4480x270x330	717x304x480	1270x400x460
Finish	Cherry, Rosewood	Silver	Silver	Cherry, W'nut, R'wood	Silver, any colour*
Active/Passive Option?	Passive only	Passive option	Active only	Passive option	Passive option
Rear Left/Right Channel	SCM7 Passive	Active 10	T16 Active	Active 20T	SCM70 Active
Tweeter	1"	1"	1"	1"	1"
Mid	5"	5"	5.5"	6"	3" Dome
Bass	-	-	-	-	9"
Max SPL	103dB	105dB	108dB	108dB	112dB
Power	N/A	250 watts	250 watts	250 watts	350 watts
Frequency Response	60Hz-20kHz	45Hz-22kHz	62Hz-23kHz	60Hz-20kHz	35Hz-22kHz
Weight	7kg	15.5kg	17.5kg	40kg	72kg
Cabinet Size (HxWxD)mm	300x160x205	390x230x310	4480x270x330	1000x239x388	1270x400x460
Finish	Cherry, Rosewood	Silver	Silver	Cherry, W'nut, R'wood	Silver, any colour*
Active/Passive Option	Passive only	Passive option	Active only	Passive option	Passive option
Centre Channel	C1C Passive	C4CA Active	C4CA Active	C6 Centre Active	C7 Centre Active
Tweeter	1"	1"	1"	1"	1"
Mid	2x5"	2x5"	2x5"	3" Dome	3" Dome
Bass	-	-	-	2x9"	2x9"
Max SPL	107dB	106dB	106dB	115dB	115dB
Power	N/A	250 watts	250 watts	350 watts	350 watts
Frequency Response	57Hz-23kHz	57Hz-23kHz	57Hz-23kHz	32Hz-23kHz	32Hz-23kHz
Weight	11kg	24.5kg	24.5kg	83.6kg	101kg
Cabinet Size (HxWxD)mm	160x600x205	190x550x380	190x550x380	388x1200x511	550x1200x480
Finish	Cherry, Rosewood	Black, Silver	Black, Silver	Cherry, W'nut, R'wood	Silver, any colour*
Active/Passive Option	Passive only	Active only	Active only	Active only	Active only
Sub-Bass	C1 Active	C2 Active	C4 Active	C6 Active	C7 Active
Driver	9"	9"	12"	15"	15"
Max SPL	108dB	108dB	112dB	115dB	115dB
Power	250 watts	250 Watts	650 Watts	650 Watts	650 Watts
Frequency Response	20Hz-250Hz	20Hz-250Hz	19Hz-2kHz	18Hz-2kHz	18Hz-2kHz
Weight	20kg	46kg	52kg	63.6kg	70kg
Cabinet Size (HxWxD)mm	434x350x350	470x400x400	582x500x500	550x550x635	627x600x575
Finish	Cherry, Rosewood	Black, Silver	Black, Silver	Cherry, W'nut, R'wood	Silver, any colour*
Active/Passive Option	Active only	Active only	Active only	Active only	Active only

*Silver available as standard. Other colours and finishes available to special order.

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