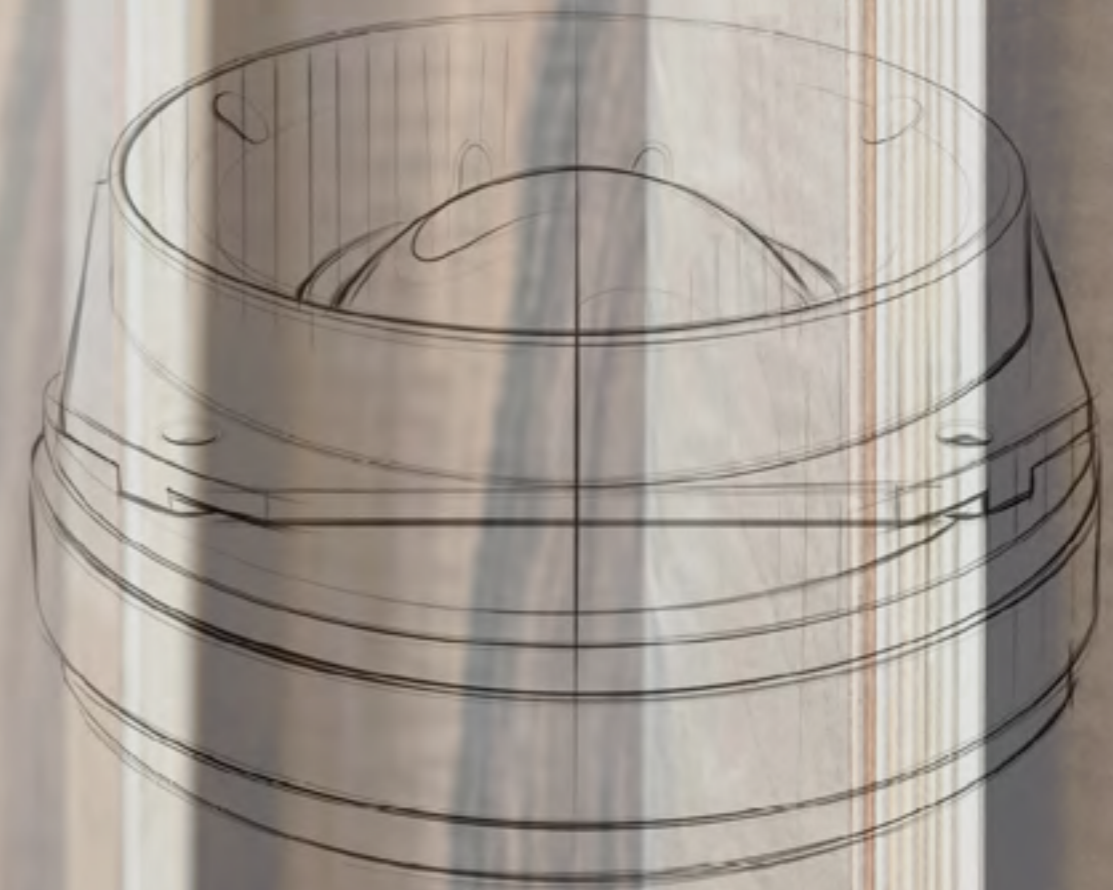


EL50

ANNIVERSARY





FOREWORD BY WILL WOODMAN

ATC has come a long way since its humble beginnings at the pier house laundry, London in 1974. Conceived by Billy Woodman, an already accomplished jazz pianist and talented engineer, ATC was built on his principles and philosophies; an uncompromising commitment to achieving engineering excellence; at the heart of which was outstanding transducer design focused on low distortion and accuracy. A family business where knowledge was retained and developed, and manufacturing processes refined with a focus on 'made in England'.

Since 1985 ATC's home has been in the Cotswolds where we are dedicated to the same exacting standards in design and craftsmanship. ATC turned 50 in 2024, sadly a milestone that Dad didn't get to see, but an opportunity to celebrate a remarkable achievement and an extraordinary man.

To honour this we are delighted to present the EL50 Anniversary. Inspired by the EL150 launched in 2007 the EL50 Anniversary showcases ATC's in-house expertise in transducers, electronics and cabinet making, and encompasses our continued pursuit of engineering excellence.

On behalf of everyone at ATC I would like to thank you for choosing the EL50 Anniversary. With only fifty pairs made you are in an exclusive club. I sincerely hope you enjoy many hours of happy listening and cherish your purchase for years to come.

WILL WOODMAN, MANAGING DIRECTOR
ATC LOUDSPEAKER TECHNOLOGY LTD

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LEGGACY



BILLY WOODMAN
FOUNDER

Billy Woodman

50 YEARS IN THE MAKING

It is hard to comprehend a half-century of continuous craft in an industry and world obsessed with short-term equity and the exhausting pace of annual product cycles. In contrast to this, ATC remains a small family business that designs and manufactures its products in the Cotswolds. A wonderful combination of hand craftsmanship with cutting edge design and engineering. ATC has always occupied a niche in the industry with an uncompromising dedication to accurate and transparent transducers with the lowest distortion possible, combined with active amplification. The long-term aim is for the niche to become the paradigm.

Acoustic Transducer Company (ATC) was formed in 1974 to manufacturer custom drive units for the professional sound industry. The first being the 12" PA75-314 widely recognised for its excellent power handling and efficiency. It wasn't long before ATC was supplying drive units for Martin Audio's Supertramp PA rigs. Billy Woodman had been obsessed with the idea of a midrange dome since his university days. At the time, the loudspeaker market was divided by a fundamental compromise: one could choose high acoustic fidelity with limited dynamic range, or massive dynamic range with poor acoustic fidelity. How could this be overcome at a time when the engineering consensus was that you couldn't make a device driven at its edge work consistently and successfully.

The answer came in 1976 and was the groundbreaking SM75-150 midrange dome. The dome was to become, and still is, the ATC signature drive unit. Built to handle 300Hz to 3kHz it was able to produce very high sound pressure levels, and with very low distortion.

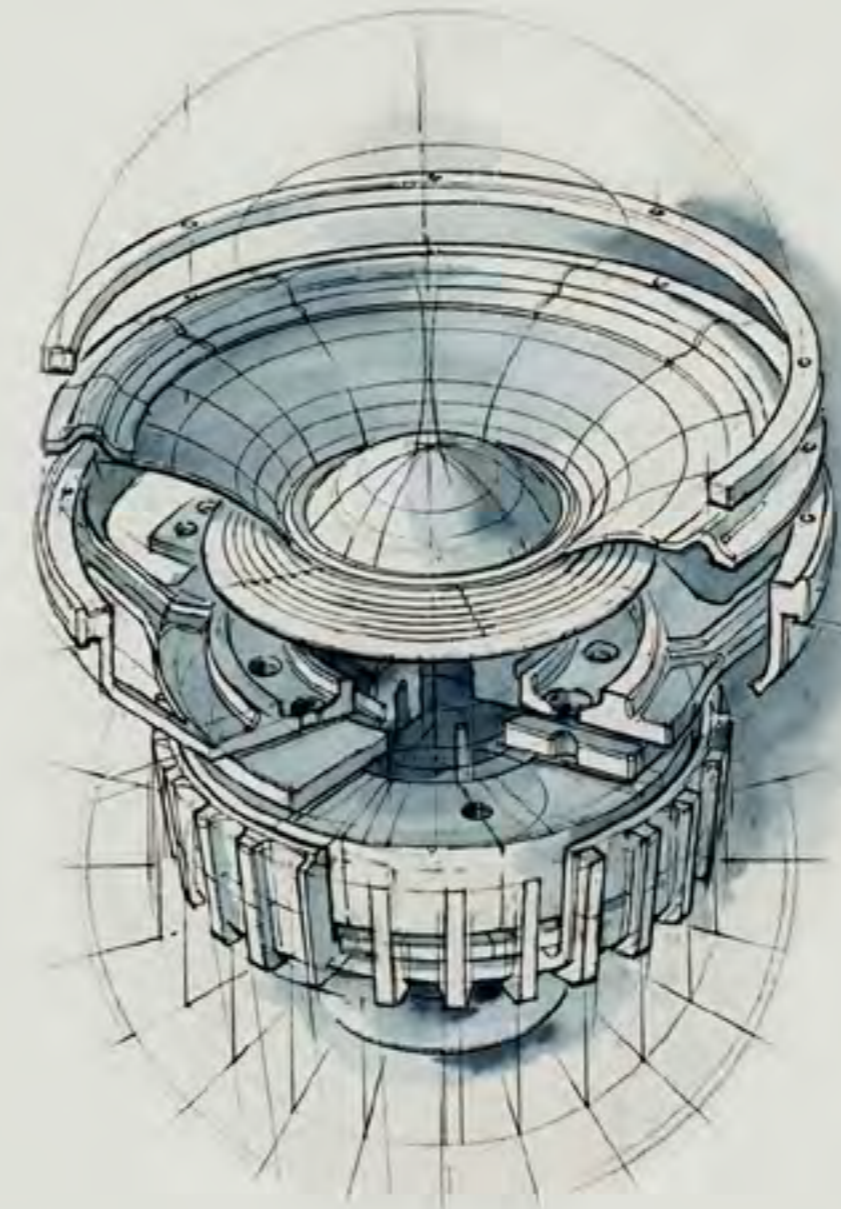
Hand-made using a massive magnet structure and tight tolerances it presented a quantum leap forward in loudspeaker design. With constant improvement over the years it is still unique in performance and innovation and has become both iconic and synonymous with ATC.

In 1978 after success supplying the PA industry, and with the dome in production ATC launched its first speaker systems, the uniquely styled, Bass Reflex S50 and the Infinite Baffle S85. These established the naming tradition of the model number representing the internal volume of the enclosure, in this case 50 and 80 litres respectively. Another key to the ATC, studio-derived philosophy was the crossover arrangement: the S50 and S85 allowing for true active triamping. Through a rotary switch the user could access either the internal passive cross-over or an external electronic device.

During the 1980s, ATC had established itself in a big way in the professional sector; the growth forcing a move to the company's current premises in Gloucestershire. The BBC, Abbey Road Studios, Pink Floyd, Nimbus, Peter Gabriel, Sony Music Studios, Sydney Opera House, Covent Garden Royal Opera House, Paramount, Warner Bros – these are but a few of the clients ATC has attracted over the years.

The focus had also moved into electronics with work on active speaker design. In 1982 the EC23 active crossover was the first step, but when in 1985, Danish Radio asked for a rugged, robust and transportable active speaker system ATC made another huge and future defining breakthrough. It matched the electronic crossover to a three-way amplifier, fitting it internally, and so the SCM50A was conceived. This hugely successful active speaker would establish ATC as one of the few companies able to produce an active system which lived up to the concept's promise.

Since the 1980s ATC has continued to evolve and develop its products and now offers a complete range of speakers and electronics to satisfy the aspiring listener to the



EL50 HERITAGE

1978
THE BASS-REFLEX S50 FEATURES A DISTINCTIVE DESIGN AND BECOMES AN EARLY FAVOURITE IN THE INDUSTRY

1999
THE SCM70ASL LAUNCHED WITH ATC'S FIRST ACTIVE DISCRETE AMPLIFIER

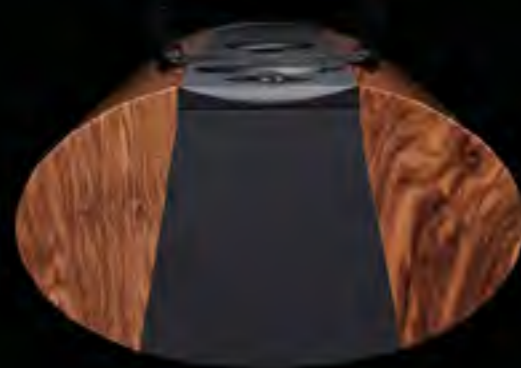
2007
ATC UNVEILS THE STATEMENT EL150 SLP LIMITED EDITION PASSIVE SPEAKER - FEATURING A UNIQUE ELLIPSOIDAL ENCLOSURE DESIGNED TO ELIMINATE EDGE DIFFRACTION AND INTERNAL RESONANCE

1985
THE GROUNDBREAKING SCM50A IS DEVELOPED AND DESIGNED FOR THE BEST POSSIBLE PERFORMANCE IN RECORDING STUDIOS AND AT HOME

2004
TO CELEBRATE ITS 30TH YEAR THE SCM50 ANNIVERSARY EDITION IS LAUNCHED WITH A LIMITED RUN OF JUST 10 PAIRS

2014
MARKING ATC'S 40TH ANNIVERSARY, 10 EXCLUSIVE PAIRS OF THE S50 THREE-WAY LOUSPEAKER ARE LAUNCHED

THE ART DECO-INSPIRED SCM100SE IS RELEASED REPLACING THE ANNIVERSARY SERIES. THIS INCLUDES A FURTHER IMPROVED DISCRETE HIGH-RESOLUTION AMP-PACK



discriminating audiophile. This includes the Entry, Classic and Tower Series loudspeakers, and their associated multichannel options, with most available in active or passive.

ATC's expertise in drive units and loudspeakers is also matched in its electronics. Active amplification is a core design principle and one we have continued to develop since 1978. In conjunction with this ATC has offered stand-alone electronics since 1996 with the launch of the SCA2 Preamplifier, still in production today and providing unparalleled performance, and forming part of the range that includes pre, power and integrated amplifiers.

In 1999 ATC launched the SCM70SL, a truly pivotal product in the company's history. This was a radical departure that prioritised form alongside function and with a cabinet curvature and structure that meant it was free of unwanted resonances and vibration. Significantly it was powered by a new triamplifier with 2nd order filters using discrete circuitry and isolated secondary power supplies. This new triamplifier provided unrivalled performance, something ATC has continued to evolve, and is exclusively only available in our most premium products. Later improved and included in the SCM50/100/150 Anniversary Editions, the P6 that accompanied the EL150, and since 2014 in the SCM50/100/150 Special Editions. A new pinnacle has now been reached in this design with the launch of the EL50.

ATC has grown from a fledgling manufacturer supplying a small range of drive units to becoming a company building some of the world's finest loudspeaker systems and electronics for both consumer and professional markets. A family business focused on transducer design and the neutral sound that comes from it. By operating this way, we remain the masters of our own destiny, not driven by impossible to achieve sales targets, or having to fund large marketing departments, but free to invest in designing and making the product. At heart we are an engineering company with a belief that the strength of the product is the foundation upon which both our legacy and future is built.

HERITAGE

74

THE ACOUSTIC TRANSDUCER COMPANY BEGINS PRODUCTION, WITH THE EARLIEST DRIVE UNITS DESIGNED FOR THE PA INDUSTRY THE FIRST WAS THE 12" PA75-314 BASS DRIVE UNIT, A DESIGN CAPABLE OF HANDLING MORE POWER AND PRODUCING LESS DISTORTION AT A HIGHER SOUND PRESSURE LEVEL THAN ANY OTHER DRIVE UNIT ON THE MARKET.

1974

ATC'S FIRST BREAK WAS SUPPLYING THE BASS AND MIDRANGE UNITS FOR SUPERTRAMP'S LIVE TOURING RIG.



1975/76

ATC INTRODUCES THE GROUNDBREAKING SM75-150 SOFT DOME MIDRANGE DRIVE UNIT, SETTING A NEW STANDARD FOR STUDIO MONITORING, THAT REMAINS AT THE HEART OF THE BUSINESS TO THIS DAY.



THE FIRST 9" PA75-234 BASS DRIVE UNIT IS INTRODUCED AND BECOMES POPULAR AMONG ARTISTS LIKE THE JAM AND BOOMTOWN RATS.

"If A.T.C. loudspeakers are so damn good why hasn't someone said so?"
They have.

BASS DRIVE UNIT DEVELOPMENT CONTINUES WITH THE 15" PA100-375 FOR USE IN THE PA INDUSTRY.

1977



1978

ATC LAUNCHES ITS FIRST COMPLETE SPEAKER SYSTEMS FOR HI-FI AND PROFESSIONAL USE THE BASS-REFLEX S80 AND THE INFINITE Baffle S85. MODELS FEATURE DISTINCTIVE DESIGNS AND BECOME EARLY FAVOURITES IN THE INDUSTRY. THESE ESTABLISHED THE NAMING TRADITION OF THE MODEL NUMBER REPRESENTING THE INTERNAL VOLUME OF THE SPEAKER. ANOTHER KEY ATC STUDIO DERIVED PHILOSOPHY WAS THE CROSSOVER ARRANGEMENT; THESE ALLOWED FOR TRUE ACTIVE TRIAMPING.



ATC LAUNCHES THE SCM (STUDIO CONTROL MONITORS) 200 AND SCM 300, THESE FEATURE ADVANCED SPECIFICATIONS, INCLUDING THE SOFT DOME MIDRANGE AND BASS DRIVERS, DESIGNED FOR ACTIVE INSTALLATION WITH THE EC23 CROSSOVER. THESE TRIGGER THE LONG STANDING RELATIONSHIP WITH JAMES GUTHRIE LEADING TO THE ADOPTION OF ATC BY PINK FLOYD AND KATE BUSH.

1984



1983

THE NEW EC23 ACTIVE THREE-WAY STEREO ELECTRONIC CROSSOVER OUTPERFORMS PASSIVE CROSSOVERS, REDUCING DISTORTION, AND IMPROVING THE MAGNITUDE AND IMPULSE RESPONSE. THE CROSSOVER FEATURES LINKWITZ/RILEY FILTERS AND A VARIABLE ALL-PASS FILTER FOR ACCURATE PHASE RESPONSE.

ATC ENTERS THE WORLD OF PROFESSIONAL RECORDING STUDIOS INCLUDING THE DJM (DICK JAMES MUSIC) STUDIO, DESIGNING LARGE MONITORS WITH AN EC23 CROSSOVER.

1979/80

ATC CONTINUES TO SEE GREAT SUCCESS IN THE PA INDUSTRY AS A SUPPLIER OF OEM DRIVE UNITS WITH TWO MAJOR NEW CUSTOMERS IN FORSYTHE AUDIO SYSTEMS (LATER EAW), AND MALCOLM HILL ASSOCIATES. CULMINATING IN MHA SUPPLYING SPEAKERS FOR THE AC/DC WORLD TOUR AND THE HISTORIC 'LIVE AID' CONCERT AT WEMBLEY.

ATC ALSO EXPANDS INTO THE MANUFACTURE AND SUPPLY OF ELECTRONIC CROSS-OVERS.



← LONDON COTSWOLDS →

1985

ATC LEAVES LONDON AND MOVES TO ITS CURRENT SITE NEAR ASTON DOWN IN GLOUCESTERSHIRE. FOLLOWING THE MOVE IT INTRODUCES THE TRIAMPLIFIER PACK, OFFERING STUDIO REFERENCE AMPLIFICATION, AND WITH IT THE GROUNDBREAKING SCM50A IS DEVELOPED AND DESIGNED FOR THE BEST POSSIBLE PERFORMANCE IN RECORDING STUDIOS AND AT HOME. THIS PERIOD MARKS A SIGNIFICANT EXPANSION OF ATC'S PRODUCT RANGE, IN BOTH LOUDSPEAKER AND ELECTRONIC DESIGN IN BOTH THE PROFESSIONAL AND HI-FI MARKETS.

1987

MARKING ATC'S FIRST TRUE ENTRY INTO THE HI-FI MARKET, GRAMOPHONE MAGAZINE GIVES A GLOWING REVIEW OF THE SCM50A, LATER MAKING IT AN 'ALL TIME AUDIO CLASSIC' IN 1995.

1989

LATE IN 1989 ATC DEVELOPS ITS FIRST SOFT DOME MID-BASS DRIVE UNIT, THE SB75-150SC, AND ALONG WITH IT THE FIRST SCM20 SPEAKER IN PASSIVE FORM FOR THE HI-FI MARKET.



THE SCM100 IS ALSO LAUNCHED FOLLOWING THE SUCCESS OF THE SCM50, THIS FEATURED THE SAME SOFT DOME MIDRANGE BUT INCLUDED A LARGER 12" BASS DRIVE UNIT, THE SB75-314.

90

90



A TECHNICAL LEAP FORWARD BRINGS 'SUPER LINEAR TECHNOLOGY' (SL). THIS IS INCORPORATED INTO LARGER BASS AND MID-BASS DRIVE UNITS. AN UPGRADED 15" STUDIO BASS DRIVE UNIT IS INCORPORATED INTO THE NEW SCM150SL IN BOTH PASSIVE AND ACTIVE MODELS.



1994

A NEW 2-WAY STEREO AMP-PACK IS DEVELOPED AND THE SCM20 ACTIVE TOWER IS LAUNCHED. THIS WAS THE FIRST OF THE TOWER SERIES OF SPEAKERS THAT INCLUDES THE SCM50, SCM100 AND SCM150.

1992

THE MK2 AMP-PACK IS DEVELOPED. TWICE THE NUMBER OF OUTPUT DEVICES ARE USED, REDUCING DISTORTION. THIS COMBINED WITH A CHANGE OF THE ICS USED RESULTED IN A SIGNIFICANT IMPROVEMENT IN PERFORMANCE. THIS WAS INCORPORATED INTO THE SCM50/100/150 SERIES OF SPEAKERS.



1990

THE SCM10 IS LAUNCHED, A NEW COMPACT 2-WAY FEATURING A NEW 5" MID-BASS DRIVER, THE SB45-125SC. IT IS AN INSTANT HIT WITH HI-FI ENTHUSIASTS.



1996

THE SPA2-150 POWER AMPLIFIER MAKES ITS DEBUT, DESIGNED TO PARTNER THE SCA2 AND PASSIVE LOUDSPEAKERS. IT FEATURES 'GROUNDED SOURCE' MOSFET OUTPUT STAGES, AS USED WITHIN ATC'S PROVEN AMP-PACKS.

THE SCM20ASL PRO AND SCM20PSL PRO ARE LAUNCHED WITH THE NEW SL TECHNOLOGY. THE ACTIVE VERSION FEATURED A HEAVILY DAMPED, DIE CAST ALUMINIUM CABINET. THE SCM20P CLASSIC HI-FI ALSO SEES THE SL UPGRADE.

1997



THE A7 AND A7 TOWER ARE LAUNCHED, THE SMALLEST PASSIVE SPEAKER OFFERING FROM ATC. TO DATE FITTED WITH THE SB45-125 MID-BASS DRIVE UNIT.

1999



ATC LAUNCHES THE SCM70ASL TOWER, A LIMITED-EDITION ACTIVE LOUDSPEAKER SYSTEM INCORPORATING, FOR THE FIRST TIME, A NEW HIGH RESOLUTION TRIAMPLIFIER WITH ALL DISCRETE CIRCUITRY. THE LOUDSPEAKER GOES ON TO WIN MULTIPLE AWARDS.

ATC LAUNCHES THE SIA2-150 INTEGRATED AMPLIFIER, RECEIVING WIDESPREAD ACCLAIM, INCLUDING THE ABSOLUTE SOUND MAGAZINE.

THE SPA2-150P WAS RELEASED, A 200W POWER AMPLIFIER FOR THE PRO MARKET TO PARTNER PASSIVE NEARFIELD MONITORS.

1998

THE FIRST SUBWOOFER IS DESIGNED AND LAUNCHED TO COMPLEMENT LARGE MAIN MONITORS IN STUDIOS AND SURROUND SYSTEMS. AT HOME, THE SCM0.1/15 PRO AND C6 SUB FOR HI-FI.



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THE CONCEPT 7 (A SURROUND SYSTEM) IS LAUNCHED, BASED ON THE SCM20ASL. IT GOES ON TO WIN 'SURROUND SYSTEM OF THE YEAR' FROM STEREOFILE MAGAZINE.

ATC LAUNCHES THE P4 MONOBLOC FOUR-WAY AMP-PACK, EVOLVING AND REPLACING THE SPA24-850, FOR USE WITH THE SCM200A AND SCM300A.

A 12" SUB IS ADDED TO THE SERIES, THE SCM0.1/12 PRO WITH IN-BUILT 450W POWER AMPLIFIERS LAUNCHED, WITH THE C4 SUB IN HI-FI.

2000



THE A7 EVOLVES INTO THE NEW SCM7, AVAILABLE ONLY AS A STAND-MOUNT.

2001

THE T16 IS LAUNCHED, A MORE AFFORDABLE PRO-ACTIVE MONITOR.

ATC PARTNERS WITH DTS FOR THE WORLD'S FIRST 96/24 ENCODING DEMO, SHOWCASING ATC'S PRECISION. THE CA2 PREAMPLIFIER IS LAUNCHED AND PRESENTED TO A COMPLETE ACTIVE SYSTEM OFFERING AFFORDABILITY WITHOUT COMPROMISING ON FEATURES.



2002

THE ALL-NEW SCM12 LAUNCHES TO PARTNER THE SCM7 WITH THE SAME VISUALS. THIS FEATURED THE PROVEN SB75-150SL MID/BASS.



THE COMPANY INTRODUCES THE ACTIVE 'LIFESTYLE' SCM10-2A, SCM10-2P, SCM20-2A AND SCM20-2P MODELS, RUNNING UNTIL 2009 WITH INDUSTRIAL DESIGN EVOLVED FROM THE FLAGSHIP SCM70ASL.

2003

THE NEW SCM35 WAS LAUNCHED, A NEW THREE-WAY PASSIVE FLOOR-STANDING SPEAKER, FEATURING A NEWLY DEVELOPED 6.5-INCH BASS DRIVE UNIT, THE SB50-164, AND COMPLETING THE RANGE OF SCM7, SCM12 AND SCM35. THIS RANGE PROVIDED A LOWER ENTRY POINT FOR NEW ATC CUSTOMERS.

THE SCM20PSL PRO AND SCM20ASL PRO TOGETHER WITH THE HI-FI SCM20 CLASSIC AND TOWER ARE GIVEN A HIGH-FREQUENCY UPGRADE AND MOVE FROM A VIFA TWEETER TO THE HIGH-RESOLUTION SEAS TWEETER.

THE SCM7, SCM12, SCM35 SERIES OF PASSIVE LOUDSPEAKERS ARE REBRANDED AND RELAUNCHED AS THE ENTRY SERIES WITH UPDATED VISUALS. THIS NEW RANGE INCLUDES THE SCM7 MK2, THE NEW SCM11, THE NEW SCM19 (REPLACING THE SCM12) AND THE NEW SCM40 (REPLACING THE SCM35).

THE SCM11 FEATURED A NEWLY DEVELOPED MID/BASS, THE SB45-150CLD, WITH NEW TECHNOLOGY, CONSTRAINED-LAYER DAMPENING OR 'CLD'.



THE T16 IS UPDATED WITH A NEW BASS DRIVER AND REVISED CROSSOVERS AND THE NEW SCM16A IS BORN.



2006

THE NEW THREE-WAY PROFESSIONAL 'ACTIVE' SPEAKER (THE SCM110ASL PRO) IS LAUNCHED.



THE C1 SUB IS ALSO LAUNCHED TO COMPLETE THE ENTRY SERIES MULTICHANNEL SYSTEM.

2007

ATC UNVEILS THE 'STATEMENT' EL150 SLP LIMITED EDITION PASSIVE SPEAKER, FEATURING A UNIQUE ELLIPSOIDAL ENCLOSURE DESIGNED TO MINIMISE EDGE DIFFRACTION AND INTERNAL RESONANCE. THIS WAS A NEW AND GROUNDBREAKING DESIGN FOR ATC HI-FI AND AVAILABLE AS PASSIVE OR WITH A DEDICATED DUAL MONO THREE-WAY DISCRETE ACTIVE AMPLIFIER, THE P6.

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2005

DUE TO THE HUGE SUCCESS OF THE SCM50 ANNIVERSARY EDITION THE SCM100 ANNIVERSARY AND SCM150 ANNIVERSARY ARE ADDED TO FORM A SERIES, AVAILABLE IN BOTH ACTIVE AND PASSIVE.



2008

THE SIA2-150 (MK2) AND CA2 (MK2) ARE LAUNCHED WITH ELECTRONIC AND VISUAL UPDATES. THESE ESTABLISH THE STYLING FOR WHAT WILL BE THE NEW RANGE OF HI-FI ELECTRONICS.



2004

TO CELEBRATE ITS 30TH YEAR THE SCM50 ANNIVERSARY EDITION IS LAUNCHED, INITIALLY PLANNED FOR A LIMITED RUN OF JUST 10 PAIRS. THESE FEATURED LUXURIOUS BURR MAGNOLIA VENEER WITH HIGH-GLOSS LACQUER. AN UPDATED DISCRETE HIGH-RESOLUTION AMP-PACK, PREVIOUSLY USED IN THE SC570, A PASSIVE VERSION WAS ALSO AVAILABLE.



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2011
ATC INTRODUCES ITS FIRST 5.1 D-PLAYER, THE CDA2, 5.1 D-PLAYER, PREAMPLIFIER AND DIGITAL-TO-ANALOGUE CONVERTER IN ONE BOX.



2012
AFTER YEARS OF DEVELOPMENT, ATC FULFILLS ITS AMBITION FOR AN ALL-ATC DRIVE UNIT LINEUP BY INTRODUCING THE SH25-76 AND SH25-76S TWEETERS. THESE WILL BE INCORPORATED INTO ALL FUTURE LOUDSPEAKER PRODUCTS.

2012
THE SH25-76 TWEETER IS DESIGNED EXCLUSIVELY FOR THE NEW ENTRY SERIES WITH UPDATES BRINGING IN THE SCM7 MK3, SCM11 MK2, SCM19 MK2 AND SCM40MK2.

2012
COMPLIMENTARY MULTICHANNEL SYSTEM SPEAKERS ARE ALSO UPDATED WITH THE C1C MK2, C3C MK2 AND C1SUB MK2.

2012
THE EL150 BLACK ANNIVERSARY IS LAUNCHED AS A LIMITED RUN.



2010
ATC UNVEILS THE SCM25A PRO, A COMPACT THREE-WAY ACTIVE STUDIO MONITOR OFFERING THE PERFORMANCE OF ATC'S LARGER STUDIO MONITORS IN A SMALLER NEARFIELD FORMAT.

2010
TO PARTNER THE NEW RANGE OF SPEAKERS, ATC SHOWS ITS AMBITION BY INTRODUCING THE SIACD, A COMPACT STEREO INTEGRATED AMPLIFIER AND CD PLAYER WITH DAC, OFFERING A SINGLE-BOX SOLUTION.



2014
THE JAKOB BENIGEL ART DIRECTION INSPIRED SCM100SE IS RELEASED REPLACING THE SCM109 ANNIVERSARY. THIS INCLUDES A FURTHER IMPROVED DISCRETE HIGH-RESOLUTION AMP-PACK, CONTINUING ON FROM THE SC370 LAUNCHED IN 1999.



MARKING ATC'S 40TH ANNIVERSARY, 10 EXCLUSIVE PAIRS OF THE S50 THREE-WAY LOUDSPEAKER LAUNCHED.

2010
THE SCM20 PRO SERIES IS UPDATED TO THE SCM20A PRO MK2 AND SCM20P PRO MK2 THAT HAVE THE NEW DUAL SUSPENSION ATC 25MM SH25-76S TWEETER AND AN IMPROVED CLASS AB AMP-PACK. THIS CHANGE IS ALSO MADE TO THE SCM20PSL CLASSIC AND TOWER FOR HI-FI.

2014
THE SCM40A IS ADDED TO THE ENTRY SERIES, ATC'S MOST AFFORDABLE AND COMPACT THREE-WAY HI-FI LOUDSPEAKER TO DATE.

2014
THE HI-FI MULTICHANNEL C6CA IS UPDATED FOR MULTICHANNEL SYSTEMS.



2016
TO MARK ATC FOUNDER BILLY WOODMAN'S 70TH BIRTHDAY, A LIMITED AND SIGNED 70 PAIR RUN OF HIS FAVORITE MODEL, THE SCM10 ARE LAUNCHED. THIS IS THE FIRST TIME THE SCM10 HAS THE ATC SH25S TWEETER.

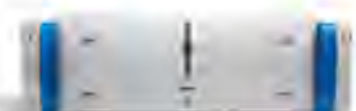


2017
ATC FOCUSES ON THE HOME THEATRE AND HOME INSTALLATION MARKETS WITH THE LAUNCH OF THE PASSIVE ON-WALL Hi-Fi (HOME THEATRE SERIES) COMPRISING THE HTS7, HTS11 AND HTS40.

2016
A NEW ACTIVE FLOOR-STANDING SPEAKER IS ADDED TO THE ENTRY SERIES, THE SCM19AC COMPLETING THE PRODUCT RANGE.

2016
THE SCM12 PRO IS LAUNCHED, ATC'S MOST COMPACT PASSIVE PRO MONITOR.

2016
THE COMPANY'S MOST POWERFUL STEREO POWER AMPLIFIER TO DATE, THE P2 IS LAUNCHED. EVOLVED FROM THE 150WPC P1, IT OFFERS 300WPC AND COMES IN PROFESSIONAL AND HI-FI VARIANTS.



2015
THE SCM50SE AND SCM150SE ARE RELEASED TO COMPLETE THE SE SERIES AVAILABLE AS ACTIVE OR PASSIVE VARIANTS.

2015
BUILDING ON THE SUCCESS OF THE SCM25A PRO, THE SCM45A PRO, A 'MAIN' MONITOR FOR A SMALL STUDIO, OFFERS GREATER DYNAMIC RANGE AND LOW-FREQUENCY EXTENSION.

2018
THE SCM12i PRO IS LAUNCHED, THIS IS A 3-WAY PASSIVE INSTALL MONITOR SOLUTION FOR RECORDING, POST-PRODUCTION AND BROADCAST STUDIOS. IT'S COMPACT SIZE AND EXCEPTIONAL PERFORMANCE MAKE IT AN IDEAL LOUDSPEAKER FOR USE IN SURROUND/MULTI-CHANNEL RECORDING/MIXING AND IMMERSIVE AUDIO APPLICATIONS SUCH AS DOLBY ATMOS, DTS:X AND AURIO 3D.

2018
CRITICAL ACCLAIM COMES FOR THE CDA2 MK2 WHICH ADDS IMPROVED AUDIO PERFORMANCE AND USABILITY OVER THE MK1 INCLUDING A USB DIGITAL AUDIO INPUT AND SUPPORT FOR HIGH-RESOLUTION DIGITAL FORMATS.



2019
ADDING TO THE HI-FI RANGE, THE STYLISH SIA2-100 STEREO INTEGRATED AMPLIFIER OFFERS HIGH PERFORMANCE IN A COMPACT DEVICE, PERFECTLY SUITED TO ATC'S SMALL AND MID-SIZE PASSIVE LOUDSPEAKERS. PARTNERING IT IS THE NEW C1J2 CD PLAYER.

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ATC'S 12" HI-FI SUB IS UPDATED TO THE NEW C4 SUB MK2. THIS INCLUDES A NEW PROPRIETARY 12" DRIVE UNIT AND 100W CLASS AB AMPLIFIER.



2023

AFTER THIRTEEN YEARS IN PRODUCTION AND HUGE SUCCESS THE NOW ICONIC SCM25A PRO IS UPDATED TO THE **SCM25A PRO MK2**, RETAINING THE CORE OF THE ORIGINAL AND UPDATED WITH THE ATC SH25-765 TWEETER, BRINGING IT IN LINE WITH THE SCM20A PRO TO SCM150A PRO THAT HAD ALREADY MADE THIS CHANGE.



2024



IN CELEBRATION OF ATC'S 50TH ANNIVERSARY A **SCM20ASL LIMITED EDITION** IS RELEASED. THE ICONIC SCM20 CLASSIC IS FINISHED IN ATC **HIGH GLOSS DARK BLUE** AND WITH LUXURIOUS DESIGN NOTES INCLUDING A NAPA LEATHER Baffle AND SILVER ANODISED AMP-PACK. AN IDEAL PARTNER FOR THE SCM20 IS ALSO AVAILABLE IN THE **C4 SUB MK2 LE** WITH A MATCHING FINISH.

2020

SCM150ASL LIMITED EDITION OF 22 PAIRS PARTNERED WITH THE P6.



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ATC'S CABINET FACTORY MOVES TO **STONEHOUSE** DURING THE LATER PART OF THE YEAR. THE NEW FACTORY INCLUDES A STATE-OF-THE-ART COATINGS SPRAY LAB.

◀ EVESHAM STONEHOUSE ▶

FOCUSING ON LARGE STUDIO INSTALLATIONS AND DESIGNS THE RANGE OF PRO SUBS IS EXTENDED TO INCLUDE THE **IN-WALL SCS1401W PRO (2X12")** AND **SCS2401W PRO (2X15")**.

THE **SCM105AC PRO** AND **SCM105AWC PRO** ARE INTRODUCED. THESE ARE HIGH PERFORMANCE COMPACT STUDIO CENTRE CHANNELS FOR IMMERSIVE/SURROUND STUDIO SYSTEMS AND DESIGNED TO PARTNER WITH ATC MAIN MONITORS FROM THE SCM50A PRO TO SCM150A PRO.

FURTHER UPDATES TO THE PRO RANGE OF SUBS WITH THE ADDITION OF THE **SCS120 PRO** AND **SCS1201W PRO**. THESE STAND-ALONE AND IN-WALL SUBS ARE AN EVOLUTION OF THE LONG-STANDING AND HUGE SUCCESSFUL **SCM0115 PRO** SUB AND COME WITH THE NEWLY DESIGNED **15" S575-3755C DRIVE UNIT**.

FOR THE FIRST TIME, THE **SCM20SL** (IN PRODUCTION SINCE 1990), IS AVAILABLE IN ACTIVE FORM AS THE NEW **SCM20ASL**. THE MODEL IS ATC'S MOST COMPACT ACTIVE 2-WAY HI-FI LOUDSPEAKER.



2026

TO COMPLEMENT THE SSM SERIES THE **R4-150 PRO**, QUAD-MONO AMPLIFIER FOR MULTI-CHANNEL SYSTEMS IS RELEASED, FEATURING 4 CHANNELS DELIVERING 150W CONTINUOUSLY.

THE ATC PRO PORTFOLIO IS EXTENDED FURTHER, WITH A NEW RANGE OF **SSM (STUDIO SURFACE MOUNT) SPEAKERS**. THESE SHALLOW WALL AND CEILING STUDIO MONITORS ARE DESIGNED FOR SURROUND AND IMMERSIVE AUDIO ENVIRONMENTS. THE SERIES INCLUDES THE **SSM121 PRO** AND **SSM251 PRO**.



EL50
ANNIVERSARY

INTRODUCING THE EL50

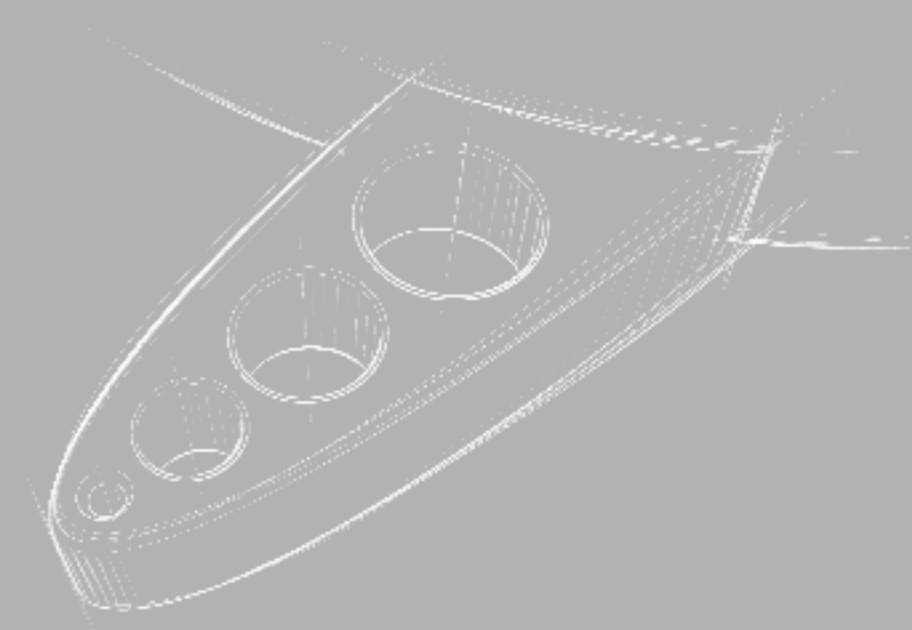
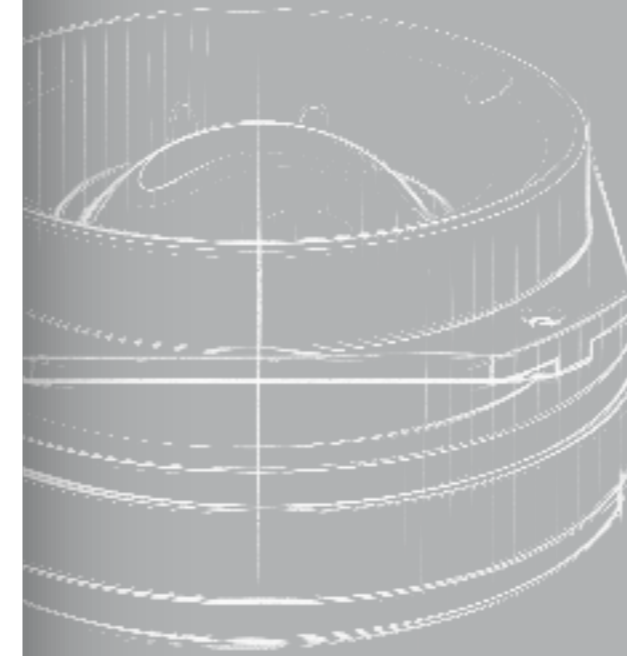
Thank you for choosing the ATC EL50 Anniversary. You are now the owner of a loudspeaker that reflects decades of engineering development and a long established commitment to accurate, faithfully reproduced sound.

The EL50 Anniversary is the latest evolution of our iconic '50' loudspeaker, first introduced in 1978 and trusted in both professional studios and the finest high-end HiFi systems.

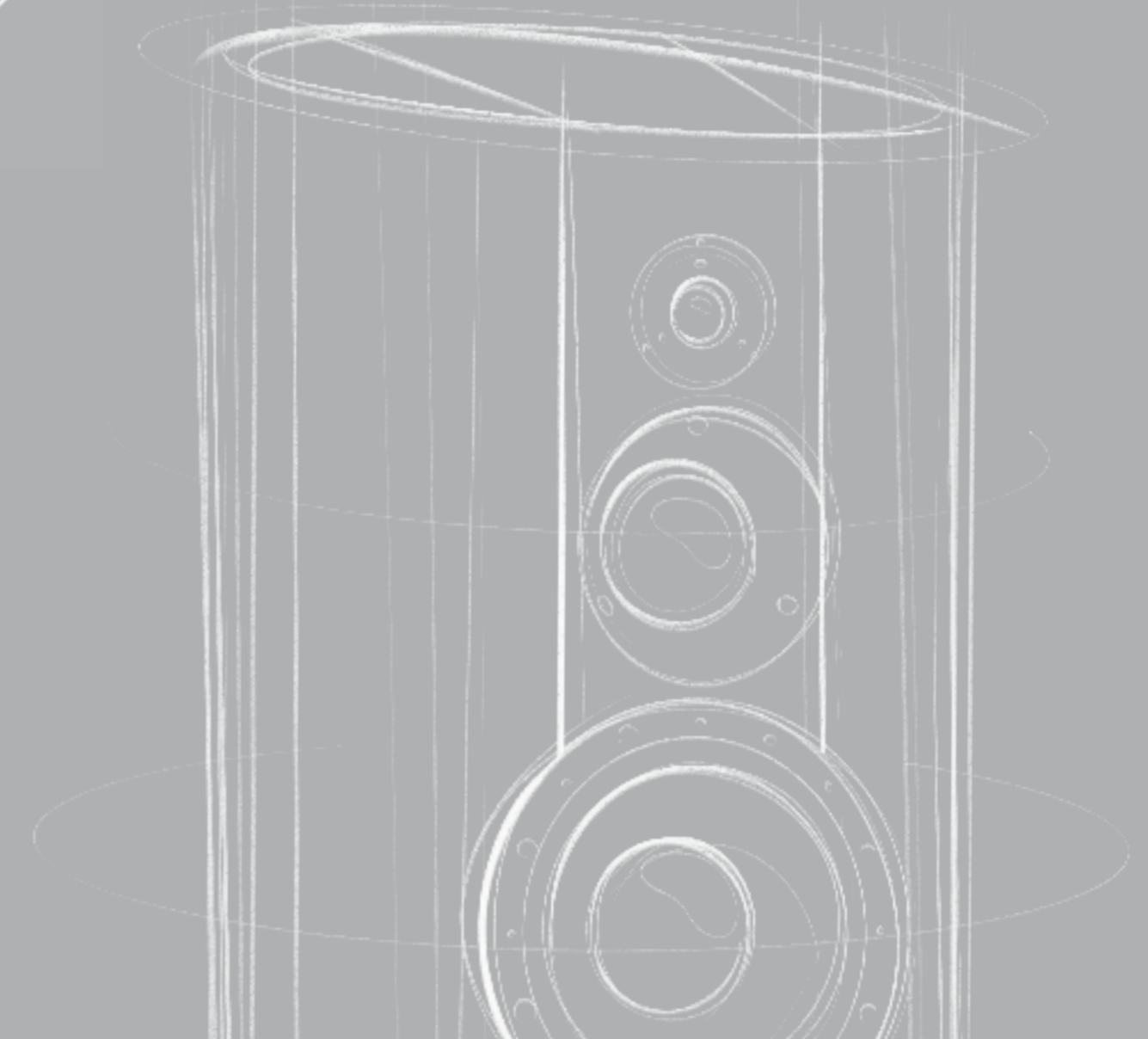
Its performance is founded on ATC's renowned in-house drive units, complemented by our discrete active triamplification system – technology first introduced in the 1990s and continually refined to deliver exceptional clarity, control and transparency.

The EL50's distinctive design draws its inspiration from the EL150 designed by Billy Woodman, the first ATC loudspeaker to use an elliptical enclosure. A heritage reflected in this refined, confident silhouette crafted to sit comfortably as a centrepiece in your home. Attention to details like the napa leather and hand selected veneers highlight the care and craftsmanship that define every pair of EL50's we build.

We hope the EL50 Anniversary becomes a lasting part of your listening experience – Uncover all of the layers of a lifetime of listening. Music as it was intended.

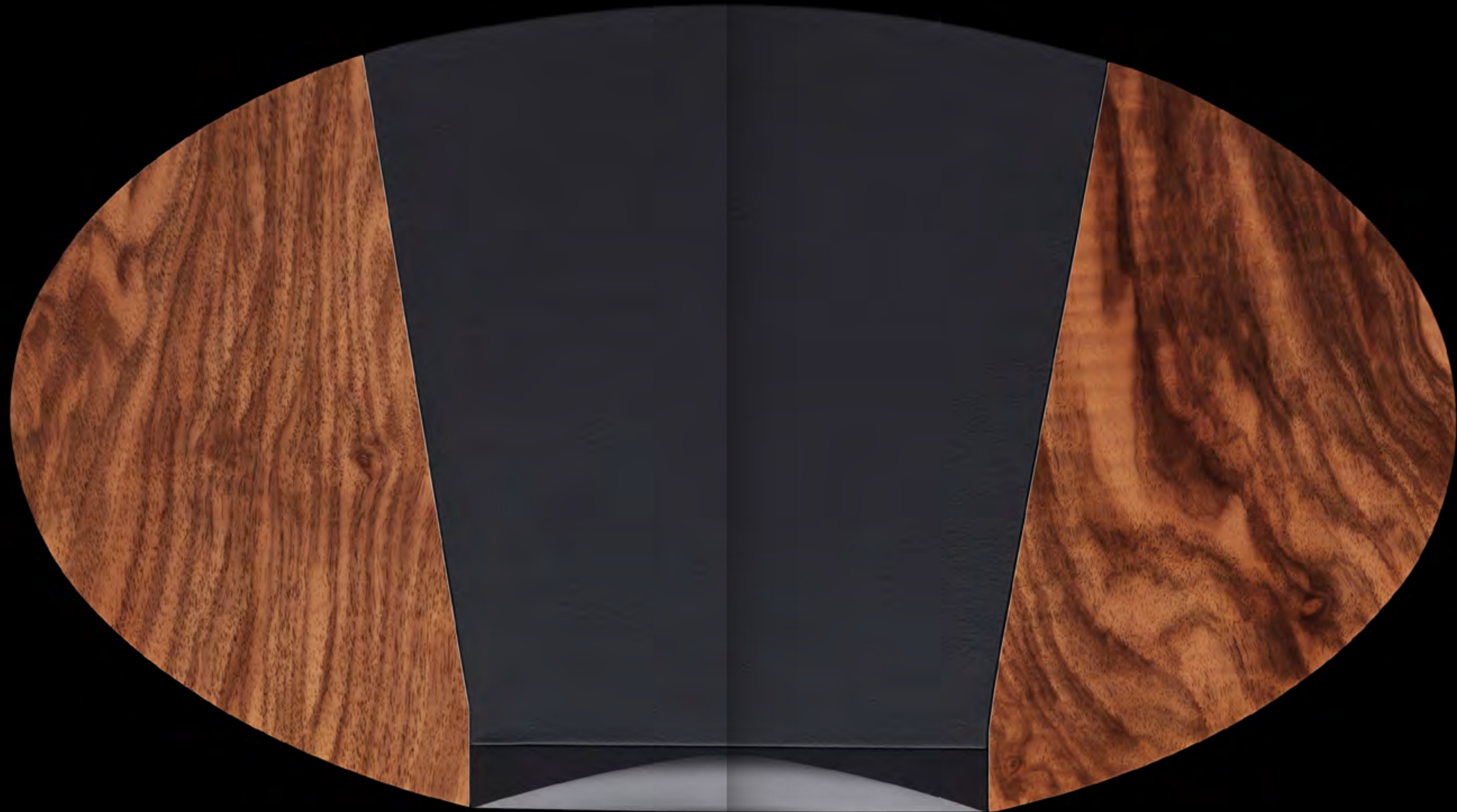


The EL50's distinctive design draws its inspiration from the EL150 designed by Billy Woodman



Marking fifty years of sound engineering without compromise









AMPLIFIER

ACTIVE TECHNOLOGY

The EL50 Anniversary employs ATC's latest generation of proprietary active amplification, beautifully integrated with the cabinet design and engineered to deliver exceptional control, consistency and musical transparency. At its core is a newly developed 3-channel "Amp-Pack", featuring active electronic crossovers and providing dedicated power to each drive unit: 200W to the bass driver, 100W to the midrange and 50W to the tweeter. This triamplified architecture eliminates the losses and variability found in passive crossovers and ensures each driver operates with optimum performance.

The amplifier incorporates new discrete gain blocks within a balanced instrumentation input stage and fourth order active crossovers, achieving lower noise and reduced distortion for improved clarity at all listening levels. The redesigned power supply features individual toroidal transformers for each amplifier channel, along with an additional transformer for the low voltage supply. This topology increases headroom under demanding conditions and minimises intermodulation distortion.

The EL50 amplifier also offers practical refinements, including user selectable input sensitivity, power on/off triggering, and, for long-term reliability, continuous monitoring of thermal status and DC offset.

Together, these elements create a precisely integrated active system – one that delivers the authority, resolution and ease for which ATC's engineering is renowned.





DRIVE UNITS

THE HEART OF THE EL50

The EL50 Anniversary is built around ATC's long tradition of designing and manufacturing its own drive units – a philosophy that has defined the company since its founding in 1974. This complete in-house approach ensures absolute control over materials, tolerances and performance, resulting in transducers capable of exceptional accuracy and consistency.

High frequencies are reproduced by ATC's advanced soft dome tweeter, employing a compact neodymium motor and dual-suspension system to maintain precise control of the voice coil. This architecture minimises distortion and provides a smooth, extended response that integrates seamlessly with the midrange.

Midrange reproduction is handled by ATC's celebrated soft dome mid driver – first introduced in the 1970s and continually refined. Its large voice coil and underhung motor topology deliver wide bandwidth, uniform dispersion and the ability to resolve subtle detail while maintaining composure during demanding musical passages.

Low frequency duties are managed by ATC's SB75-234SL "Super Linear" bass driver, which employs a specialised motor material that reduces third harmonic distortion by up to 15dB, resulting in cleaner, more articulate bass with improved integration into the midrange.

Together, these drive units form a precisely integrated system designed to reproduce music not only with tremendous clarity and scale but also emotional impact.









C A B I N E T

THE ART OF CABINET MAKING

The EL50 Anniversary cabinet is the result of meticulous hand craftsmanship combined with precision engineering. Each enclosure is formed from a multilayer laminated structure engineered for exceptional stiffness and internal damping, reducing cabinet-borne colouration and preserving the integrity of the drive units.

Its distinctive elliptical form is achieved through complex curvature lamination, precision CNC machining and careful hand finishing, ensuring a seamless transition from the drivers to the room for smoother dispersion and more coherent imaging.

Every cabinet is individually veneered using hand selected, grain matched European Walnut. Craftsmen apply and shape the veneer across the EL50's curved surfaces before sealing it under a high gloss polyester lacquer that is polished by hand to achieve a deep, flawless finish. Ebony inlays on the rear panel and napa leather detailing around the mid and high frequency drivers add further refinement, underscoring the premium, bespoke nature of the design.

From its structural integrity to its aesthetic detailing, the EL50 cabinet embodies the precision, care and artistry that define ATC's approach to loudspeaker building.



SCM 50 EL







FINISHEDS

HAND BUILT IN ENGLAND

Every EL50 Anniversary loudspeaker is assembled in ATC's Gloucestershire workshops by a small team of experienced craftsmen and engineers – an approach that has defined the company since its earliest days and remains central to what makes an ATC loudspeaker unique. From the first stages of component preparation to the final acoustic testing, each pair receives individual attention, guided by processes that prioritise precision, durability and absolute consistency. This commitment to hands-on quality is what sets ATC apart: every EL50 is not simply manufactured, but made carefully, patiently and with pride.





S P E C S

ACOUSTIC SPECIFICATIONS

BASS DRIVER	SB75-234SL 8Ω
MID DRIVER	SM75-150S 16Ω
HIGH FREQUENCY DRIVER	SH25-76S 6Ω
LOW FREQUENCY CUT-OFF	32Hz (-6dB ANECHOIC)
HIGH FREQUENCY CUT-OFF	25kHz (-6dB)
MATCHED RESPONSE	+/- 0.5dB
CROSSOVER POINT	380Hz AND 3.5kHz
MAXSPL	112dB (PER PAIR, IEC WEIGHTED PINK NOISE, 1M, ANECHOIC)
SENSITIVITY	-17.5dBu (85dBC, @1M, PINK NOISE, PER SPEAKER, ANECHOIC)

ELECTRONIC SPECIFICATIONS

BALANCED INPUT	REAR PANEL MOUNTED FEMALE XLR, PIN 2 +VE
INPUT IMPEDANCE	20kΩ
INPUT CMRR	>80dB (20Hz-10kHz)
INPUT SENSITIVITY	2.2dBu/1V OR 8.2dBu/2V (SWITCHED, REF. FULL OUTPUT)
CROSSOVER FILTERS	4TH ORDER LINKWITZ RILEY
AMPLIFIER TYPE	GROUNDING SOURCE MOSFET, CLASS A/B, CONVECTION COOLED (FAN-LESS)
OUTPUT POWER	BASS > 200W (8Ω, CONTINUOUS AVERAGE, 0.1%THD) MID > 100W (16Ω, CONTINUOUS AVERAGE, 0.1%THD) HF > 50W (8Ω, CONTINUOUS AVERAGE, 0.1%THD)

ELECTRONIC SPECIFICATIONS

THD+N 0.0015% / -96dB

(1kHz, 1dB BELOW RATED POWER, 90kHz BW)

FREQUENCY RESPONSE 8Hz-190kHz

LIMITER FET MOMENTARY GAIN REDUCTION, ALL CHANNELS

ELECTRONIC AMP PROTECTION AMPLIFIER D.C. OFFSET AND OVER-TEMPERATURE (BOTH INDICATED BY REAR PANEL LED)

MAINS INPUT 220-230V / 110-115V FACTORY SET. PLEASE OBSERVE PANEL MARKINGS AND LABELS!

POWER TRIGGER INPUT/LINK: 2 X REAR PANEL MOUNTED, SWITCHCRAFT L712RA (COMPATIBLE WITH SWITCHCRAFT 760K) +3V (300uA) TO +12V (1.2mA)

POWER CONSUMPTION
 IDLE 77W / 105VA
 1/8TH POWER 240W / 315VA
 FULL POWER 600W / 730VA

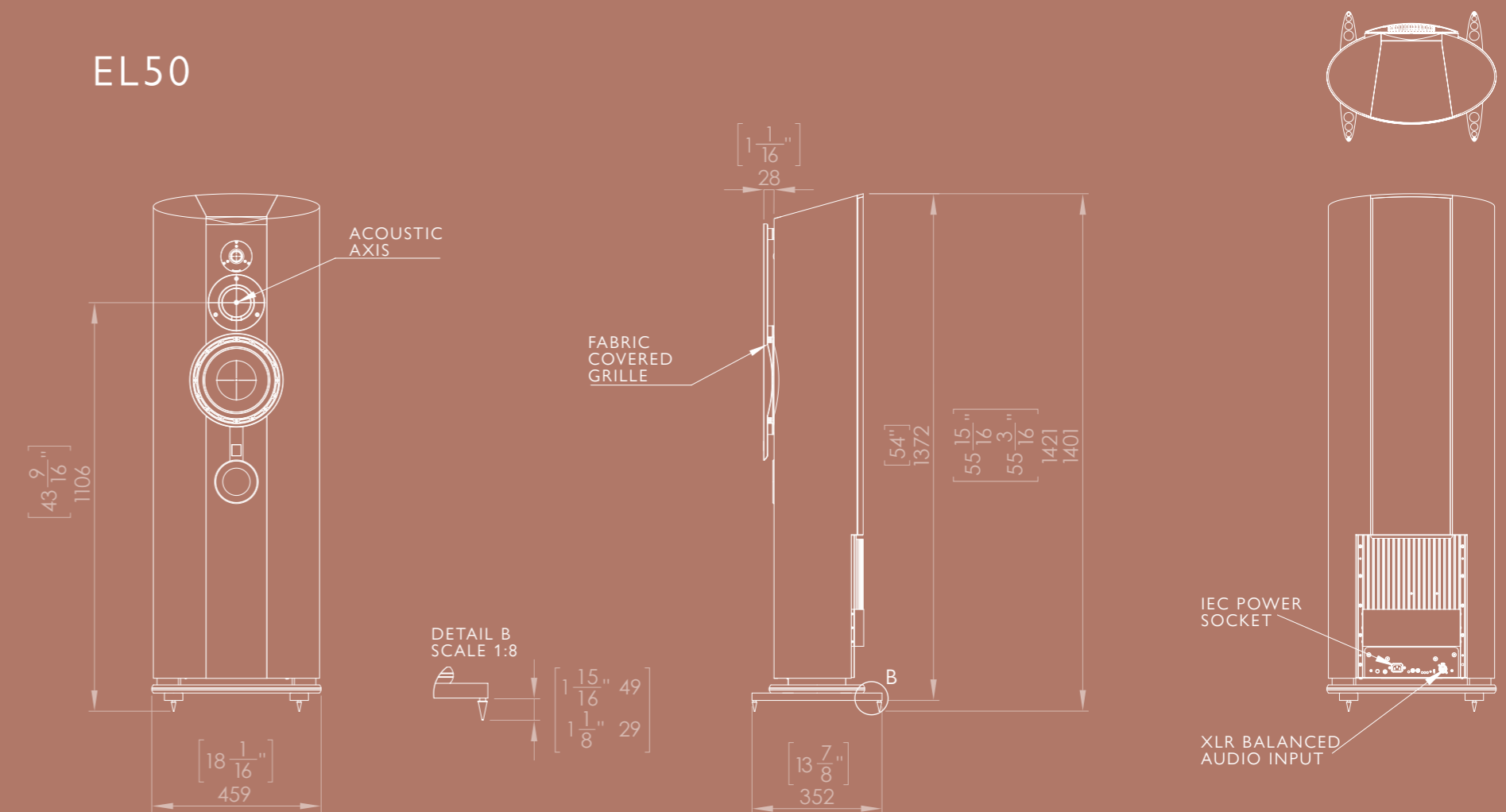
HEAT OUTPUT
 IDLE 263BTU
 1/8TH POWER 628BTU
 FULL POWER 853BTU

PHYSICAL SPECIFICATIONS

DIMENSIONS HXWXD 1421 x 459 x 352MM
 55 15/16" x 18 1/16" x 13 7/8"

WEIGH 63KG / 139LBS

EL50



USER GUIDE

EL50 SYSTEM INSTALLATION
AND OPERATION

- 1 Read instructions – all the safety and operating instructions should be read before the appliance is operated.
- 2 Retain these instructions – the safety and operating instructions should be retained for future reference.
- 3 Heed warnings – all warnings on the appliance and in the operating instructions should be adhered to.
- 4 Follow instructions – all operating and other instructions should be followed.
- 5 Water and moisture – the appliance should not be used near water, for example near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool etc.
- 6 Ventilation – the appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, or similar surface that may block the ventilation openings. Similarly, the appliance should not be built into an installation, such as a bookcase or cabinet, that may impede the flow of air through the ventilation openings.
- 7 Heat – the appliance should be situated away from heat sources such as radiators, stoves or other appliances that produce heat.
- 8 Power sources – the appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 9 Power cord protection – power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit the appliance.
- 10 Cleaning – the appliance should be cleaned only as recommended by the manufacturer.
- 11 Unattended periods – the power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 12 Object and liquid entry – care should be taken so that objects and liquids do not fall into the appliance.
- 13 Damage requiring service – the appliance should be serviced by qualified service personnel when:
 - i the power supply cord or the plug has been damaged
 - ii objects have fallen or liquid has been spilled into the appliance
 - iii the appliance has been exposed to rain or other serious liquid exposure
 - iv the appliance does not appear to operate normally or exhibits a marked change in performance
 - v the appliance has been dropped or the cabinet damaged.
- 14 Servicing – the user should not attempt to service the appliance beyond those measures described in the operating instructions. All other servicing should be referred to qualified service personnel. Please contact your local ATC dealer or distributor.
Opérations de maintenance: toutes les opérations de maintenance au-delà des opérations décrites dans le manuel d'utilisateur doivent impérativement être confiées à un technicien qualifié. Veuillez contacter votre revendeur ou distributeur ATC.
- 15 Grounding or polarisation – precautions should be taken so that grounding or polarisation means for the appliance are not defeated.

ATTENTION : Cet équipement doit être relié à la terre

ATTENTION : ce produit est muni d'une prise polarisée. Ne pas la modifier ou utiliser un adaptateur — danger de choc électrique.

16. Mounting: Installation, fitting, mounting, suspension, connection or commissioning of any loudspeaker should be carried out by an experienced professional. Improperly installed loudspeakers can result in damage, injury or harm which is the sole liability of the customer or installing contractor. Loudspeaker Technology Limited is not liable for any damage, injury or harm arising from improper installation.



Can only be safely used lower than 2,000 metres altitude



Can only be safely used in non-tropical weather

PRODUCT DESCRIPTION

The EL50 is an active three-way floor-standing loudspeaker that represents the latest evolution of ATC's iconic 50 series design, combining decades of engineering refinement in both acoustic performance and industrial design.

It's fully in-house built transducer compliment includes the SH25-76S dual-suspension tweeter, the renowned SM75-150S 'Superdome' midrange, and the SB75-234SL Super Linear bass driver. Together, they deliver exceptionally low distortion, controlled low-frequency extension, and outstanding clarity across the entire bandwidth.

Amplifier technology for the EL50 draws lineage from the 1990s SCM70 and has been continually advanced through the SCM50 Anniversary and SE Series models. This development culminates in a new discrete 3-channel active Amp-Pack, seamlessly integrated into the rear of the cabinet. The module features balanced input, input sensitivity selection, upgraded fourth order active crossovers, and redesigned power supplies incorporating individual toroidal transformers for each amplifier channel. This architecture and discrete design results in increased headroom, reduced intermodulation distortion and exceptionally low THD.

Inspired by the elliptical form of the EL150 created by Billy Woodman, the EL50's enclosure is further elevated through modernised in-house cabinet engineering that increases stiffness, improves internal damping, and reduces colouration. Hand selected European walnut veneers and ebony rear inlays provide a premium finish, while napa leather detailing around the mid and high-frequency drivers, and on the top face further enhances the overall design aesthetic.

The EL50 is a heavy product and must be handled with care. Unpack each loudspeaker close to its final installation position, in an area with ample space and a solid floor. Unpacking is strictly a two person task.

1. Remove the clips securing the crate top panel to the side faces and lift off the top panel/crate lid.
2. Remove the grille box, spike box, owner's book, and cables.
3. Remove the foam divider board.
4. Identify the top and bottom of the loudspeaker. At the bottom, between the cardboard tray and crate, there is a 25 mm foam packing piece — remove this.
5. Upend or lift the crate so the loudspeaker stands upright inside it. The product will move towards and rest on the bottom of the crate. One person should support the front of the speaker by holding the top foam. Take care not to press on the drive units through the felt bag. This could damage them.
6. With one person supporting the upper foam, the second should pull the loudspeaker from the crate using the lower foam/ cardboard tray.
7. Remove the upper foam piece.
8. Unfold the cardboard tray so that it lies flat.
9. One person should lean the loudspeaker back slightly (standing behind the speaker) while the front section of the lower foam endcap is removed.
10. Stand in front of the speaker and carefully tilt it forward — maintaining full support — while somebody removes the rear half of the lower endcap.
11. Remove the felt bag.
12. Carefully position the loudspeaker in its final location.
13. Remove the low-tac tape from the loudspeaker.

Fitting the spikes on the EL50 is a two person task.

Important: Once fitted, the spikes make the loudspeaker difficult to move. Ensure the EL50 is in its final position before installation.

The EL50 is supplied with a set of M8 spikes, which should be fitted as follows:

1. One person should stand behind the loudspeaker and gently lean it back, creating just enough space to fit the front spikes.
2. The second person should carefully screw in the front spikes. Ensure each spike is threaded in by at least 10mm.
3. Standing in front of the loudspeaker, the second person should lean it forward on the front spikes, again creating only enough space to fit the rear spikes.
4. Screw in the rear spikes by at least 10mm, then lower the loudspeaker so that it sits evenly on all four spikes.
5. Adjust the height of each spike using a 3.0mm allen key, accessed from above.

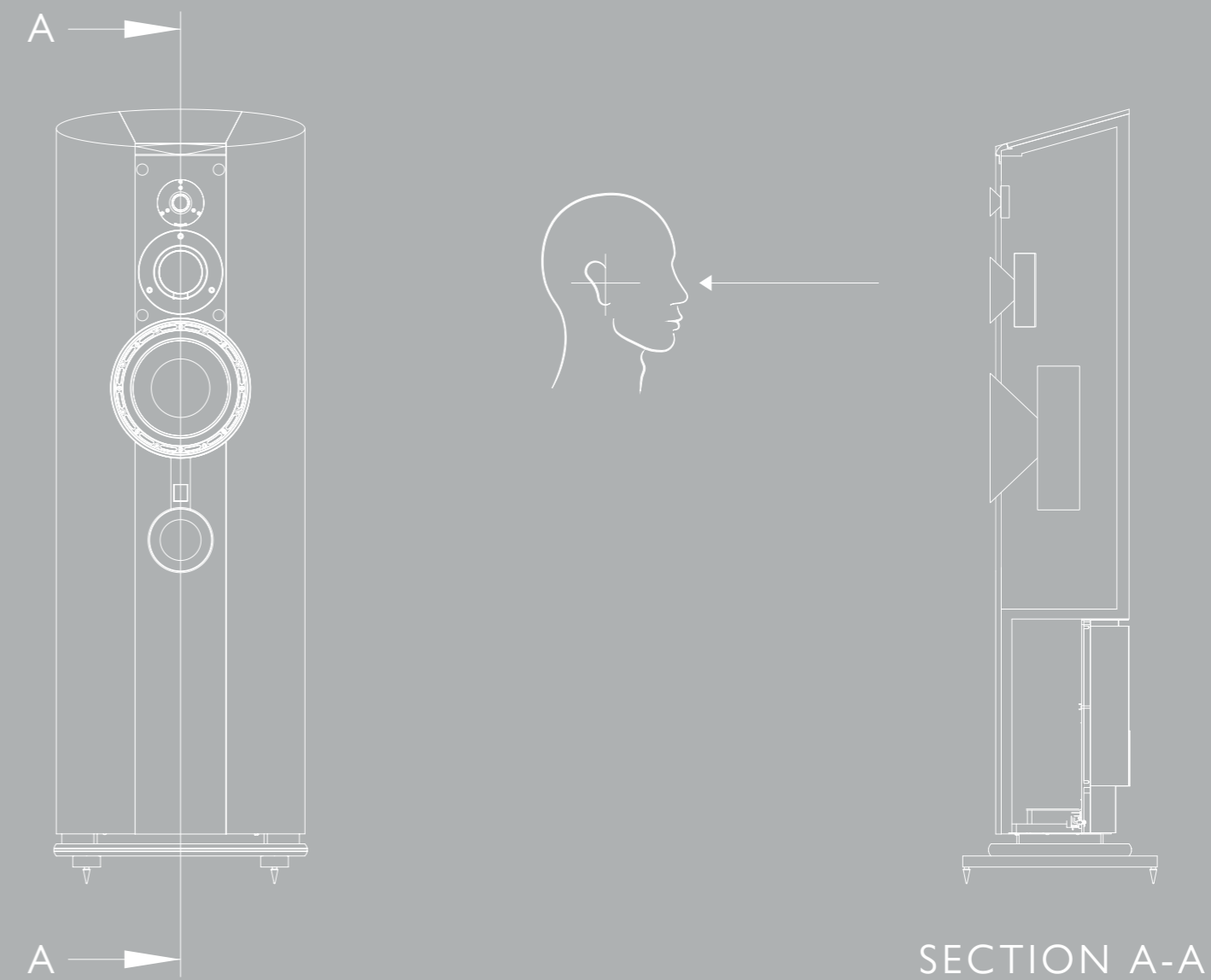
The room in which a loudspeaker is placed can be thought of as a filter, altering the acoustic response at the listening position from that of the loudspeaker. The position of the loudspeaker in a room will influence how it interacts with the space and therefore is often critical to achieving the best performance at the listening position.

Speaker positioning is important because at low frequencies the room will have a strong influence due to room modes/resonances. Room modes manifest themselves in an uneven distribution of acoustic energy within the room, which can lead to either too much or too little bass at the listening position. A room with a well-controlled low frequency response (controlled reverb time) will have a far smaller influence on the performance of the loudspeaker and will be less sensitive to positioning. Applying acoustic treatment in a domestic setting is not always possible or desirable but if considered it should be noted that, typically,

a combination of resonant membrane traps and porous absorbers are needed to control the low frequency. The resonant membrane traps are effective at treating the low bass, typically below 80Hz and the porous absorbers frequencies above this. Porous absorbers such as those made from foams, fibreglass or rockwool are not effective at absorbing low bass energy without a very large air space between them and the wall behind which reduces usable space within a room.

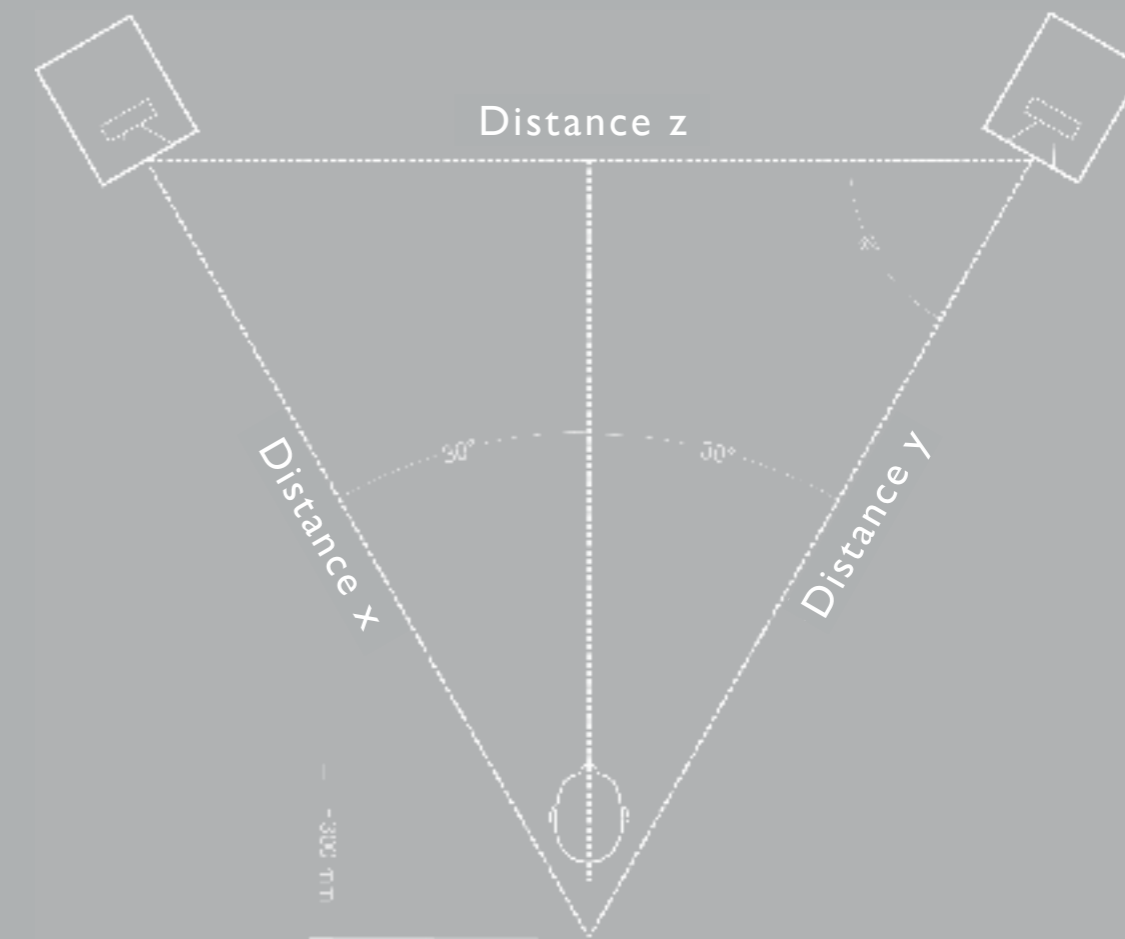
To minimise problems a free-standing loudspeaker should be kept away from corners where possible. Avoid placing the loudspeaker mid-way between any two parallel walls.

DIAGRAM
1



To achieve the best stereo image, position the loudspeakers so they form an equilateral triangle with the listening position (see diagram 2). With this layout, the distance between the loudspeakers will be equal to the distance from one speaker to the listening position. Angle the loudspeakers such that the midrange domes are aimed at a point around 300mm behind the listeners head.

DIAGRAM
2



Distance x = Distance y = Distance z

Two cable connections are required for each loudspeaker: one for mains power and one for the audio signal. The mains cable is specifically supplied to comply with local statutory safety requirements and alternatives should not be substituted. If you intend to use your loudspeakers in an alternative territory, please contact ATC for advice. The mains connection must always be earthed.

The signal cable(s) and plug(s) should be of a good quality and XLR terminated. Poor cable and plug quality will compromise the performance of your loudspeaker. The signal Input pin configuration is shown in diagram 3.

Balanced cable configuration is the preferred option; however unbalanced connection is possible. Diagram 4 illustrates the signal cable connections

required for each option. Balanced (XLR to XLR) connection offers lower noise and better immunity to 'hum' pick-up. Unbalanced (XLR to Phono or Two Pole Jack) connection carries risk of hum caused by multiple signal earths.

Hum problems resulting from unbalanced connection may be reduced by making one of the following modifications to the signal cable connections: If the driving preamplifier is 'double insulated' (i.e. has no mains earth), disconnect the signal cable screen at the RCA Phono plug end. Alternatively, disconnect the signal cable screen at the XLR end. This second option will make the source the reference signal earth.

DIAGRAM 3

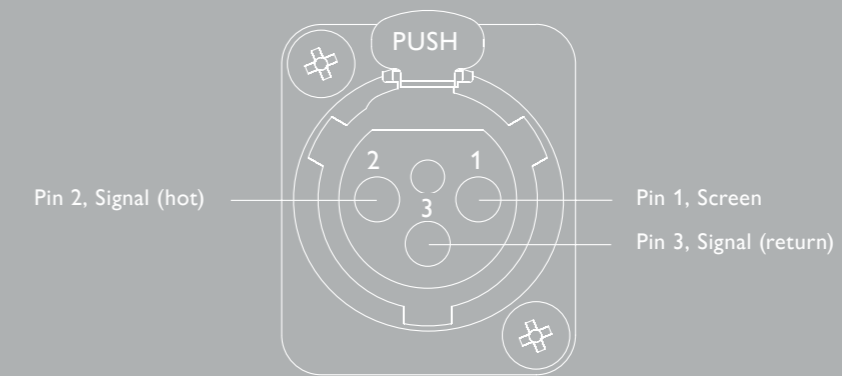


DIAGRAM 4

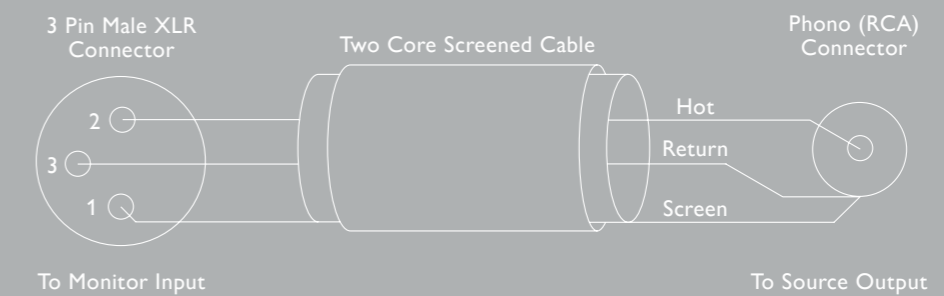
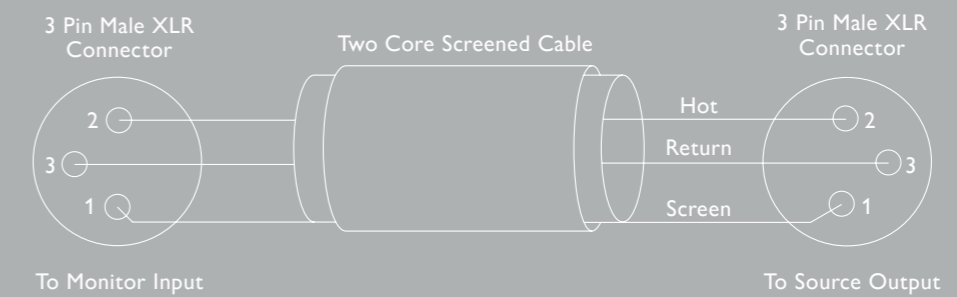


DIAGRAM 5



EL50 CONTROL PANEL OPERATION

Power On/Off

This button powers the loudspeaker ON or OFF. When the switch is in the inward position the loudspeaker is powered ON. When the switch is in the outward position the loudspeaker is powered OFF. Please also refer to section (Standby, Trigger and Bypass).

Due to the nature of the electronics in ATC active loudspeakers, it is quite normal for a sound to be heard from the speaker when the power is applied or disconnected. The noise heard will not damage the speaker and is quite normal. Although ATC uses the highest-grade components, a different noise may be heard from each speaker due to slight tolerance variations in the amplifier components.

Fuses

Fuses rarely fail without cause. If a fuse blows, replace it only with an identical type and rating as indicated on the rear panel. If the replacement fuse also fails, an electrical fault may be present. Please contact ATC or your local ATC representative for assistance.

Fault

The EL50 amplifier features 2 fault LED's which indicate a temporary or permanent amplifier fault.

DC – If this LED is illuminated it indicates a DC fault has been detected. Please power down the amplifier and disconnect the XLR input. Power the loudspeaker on again. If the LED is no longer illuminated, then please check the partnering equipment.

Over temp – If this LED is illuminated, switch off the amplifier. Ensure the amplifier heatsink has adequate ventilation and after 45 minutes switch it back on. If the Fault LED is no longer illuminated, the amplifier had shut down safely due to reaching high temperatures. Please reduce the system listening level or improve amplifier ventilation and continue to use the loudspeaker.

If after the above measures, either Fault LED remains illuminated, the amplifier is registering a fault which should be investigated by an approved technician. Please contact your ATC dealer or distributor, details can be found at www.atc.audio.

Standby, Trigger and Bypass

This feature set allows a preamplifier with a Trigger output to switch the EL50 amplifier between a low power state and fully ON. The connection is made via the DC Power Connectors labelled Input and Thru under the Trigger section. A suitable DC plug is the Switchcraft 760K. Cables are provided with the EL50 loudspeakers.

To enable this feature, connect the preamplifier's Trigger output to the Trigger Input socket on the first EL50. Then using the cable provided connect the Thru socket to the Trigger Input on the second EL50, so that both loudspeakers respond simultaneously.

With the bypass button in the inward position and the power button ON, the amplifier will switch fully ON without a valid Trigger voltage* present, i.e. the Trigger functionality is Bypassed. In this mode, the Standby LED illuminates green, indicating the loudspeaker is ON.

With the bypass button in the outward position and the power button ON, the loudspeaker will revert to a low power state with its output muted. The Standby LED illuminates red to indicate this state. When a valid Trigger voltage* is applied to the Trigger Input socket, the amplifier switches fully ON and the Standby LED changes to green.

Please refer to the Electronic Specification section.

Factory Cal.

This is purely intended for use by ATC during system calibration.

Do not adjust this potentiometer.

Input Sensitivity

Switchable from 1V (+2.2dBu) to 2V (+8.2dBu) via the rear panel switch.

For source (driving) equipment with potentiometer based analogue level control, choose an Input Sensitivity that results in the desired average sound pressure level with the source level control at approximately 50%. For source (driving) equipment with a digital level control, choose an Input Sensitivity that results in the desired average sound pressure level with the level control at approximately 80%.

High technology material finishes are used in this product. The surfaces are durable and with a little care can be kept as good as new even under conditions of heavy use. Normally, a dry duster will be all that is required to keep the finishes clean.

Heavy soiling can be cleaned from the cabinet using a cloth slightly moistened with a non-abrasive household cleaner. Please avoid using any chemical cleaning or polishing agent on the leather surfaces as they may cause damage.

There are no components within the speakers that can be considered expendable, or that would benefit from regular maintenance. There is no

requirement for any kind of routine service work and there is no schedule for preventative maintenance. There are no user-replaceable parts within the speaker, and in the unfortunate event of any malfunction, repair should be referred to either the supplying dealer or consultant, the relevant importer, or ATC. ATC has every confidence in the quality of each product that it manufactures.

Leather care

The leather trims on the EL50 can be cleaned with a soft cloth that has been wrung out thoroughly in a warm, mild soapy solution – avoid detergents. Use light circular motions and make sure the leather does not become overly wet. After this, repeat the wiping process using clean water.

Do not apply any kind of wax, saddle soap, spray polish, or similar treatment. These products tend to leave a tacky residue that attracts dirt and can eventually cause lasting damage to the leather's protective finish. The leather is fully finished and does not need conditioning or feeding of any kind.

Warranty

All ATC products are guaranteed against any defect in materials or workmanship for a period of two years from the date of purchase.

Within this period, we will supply replacement parts free of charge provided that the failure was not caused by misuse, accident or negligence. Purchasers who complete the Product Registration process, either by returning a completed Warranty Card to ATC or by registering the product at www.atc.audio, will have their warranty period extended up to a period of six years from the date of purchase.

This product warranty does not provide cover for:

Damage caused by improper handling (e.g. drop/impact, water, dust/sand).

Any damage, injury or harm caused by the improper installation, fitting, mounting, suspension, connection or commissioning of ATC products by the Customer or a third party installer.


Faults resulting from normal use or wear and tear, or normal ageing of the product.

This guarantee does not limit statutory rights.

Contacts

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Website: www.atc.audio

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



**50 YEARS
IN THE
MAKING**

www.atc.audio