

Hi-Fi Electronics
Source & Amplification



ATC HI-FI ELECTRONICS

YOUR FIRST STEP TO DISCOVERING PERFECT SOUND SYNERGY

HI-FI ELECTRONICS AN INTRODUCTION

SEPARATES CD2 CD PLAYER

CDA2 MK2 CD/PREAMP/DAC

CA2 PREAMPLIFIER

SCA2 PREAMPLIFIER

P1 POWER AMPLIFIER

P2 POWER AMPLIFIER

SIA2-100 INTEGRATED AMPLIFIER

SIA2-150 INTEGRATED AMPLIFIER

SYSTEM CONFIGURATIONS PARTNERING ATC ELECTRONICS

PARTNERING ATC LOUDSPEAKERS



Hi-Fi Electronics

Since the Company's inception in 1974, ATC's reputation for the design and manufacture of unique high performance hi-fi and professional audio products has become legendary,

with new design concepts evolving and being perfected continually.

The Company was originally created by acoustic engineer, Billy Woodman, to produce custom drive units for the professional sound industry. However, by the end of the 'Seventies' ATC was manufacturing its own complete high end loudspeaker systems – its monitors subsequently becoming the preferred choice

for many of the world's major recording studios and engineers.

Recognising the sonic benefits of active loudspeaker systems, it was only natural that ATC

should expand into innovative audio electronic product design.

It all started in 1982 with the EC23, a stereo, 3-way electronic crossover incorporating phase correction and momentary gain reduction – features that are incorporated in all ATC active loudspeaker systems to this day.

The EC23 was the controller for all of ATC's larger active loudspeakers right up to the development in 1996 of the SPA24-850, a stand-alone stereo Amp Pack for the control and amplification of SCM200 and SCM300 monitors.

But it was the development of ATC's SCM50A active 3-way monitor in 1985 that changed everything.

This revolutionary loudspeaker featured a 3-channel amplifier that mounted directly to the rear of the cabinet.

The amplifier comprised balanced input, 3-way active crossovers - incorporating phase correction - and three high performance power amplifiers: 200W bass, 100W mid-range and 50W high-frequency, each featuring momentary gain reduction.

This technology is why all ATC active monitors have a flat magnitude response, an excellent minimum phase response and are factory-set to prevent the amplifiers from clipping when driven hard.

An Introduction

There is nothing else that sounds better or offers such great value.

Fast forward to 1996 and ATC can be found designing and developing its first stand-alone hi-fi electronic product.

At that time few preamplifiers were capable of driving the long lengths of cable often necessary to link electronics to active loudspeakers. In its ongoing quest for ultimate performance and value ATC's solution was to develop a preamplifier that could! The result was the SCA2 – a true hi-fi preamplifier offering unparalleled audio performance, transparency and current drive ability.

Today, ATC's portfolio of high-end audio electronic products continues to expand... from the breathtaking

CA2 preamplifier to the exquisite P2 power amplifier.

In December 2011 the Company launched its first CD player, the CDA2, a design that also incorporated a preamplifier and DAC. In response to changing listening trends, in early 2018 the CDA2 was significantly upgraded and relaunched – the Mk2 model now boasting the latest high performance CD drive technology and USB interface allowing playback of extremely high resolution PCM and DSD audio.

Seen as a further evolution of this highly acclaimed digital source is ATC's new stand-alone CD player, the CD2, which has been designed in parallel with a matching 100W integrated amplifier, the SIA2-100. Offering a built-in high resolution asynchronous USB interface the amplifier also incorporates a premium AKM stereo 32-bit DAC.

These outstanding components offer music lovers an exceptional combination of performance and functionality.

ATC has grown to become one of the very few manufacturers successful across both domestic and professional audio. By selecting ATC you join a group of music lovers, professional audio engineers, educators, studios and musicians across the world that understand the value of the engineering that goes into every ATC product.

Built to give a lifetime of service and musical enjoyment, all ATC products carry a six year guarantee.



LATEST ADDITIONS
TO OUR
ELECTRONICS
RANGE:
INTRODUCING THE
CD2 CD PLAYER
AND SIA2-100
INTEGRATED
AMPLIFIER.

CD 2 CD Player

OVERVIEW



This compact high-performance CD digital audio source has been designed to offer exceptional performance and compatibility with a very wide range of partnering electronics both from ATC and other high-quality manufacturers. Styling compliments ATC's full range of audio electronics, but its small form factor makes it the perfect partner to the equally compact SIA2-100 integrated amplifier.

FEATURES



High performance TEAC CD Transport.



Premium AKM 32-bit DAC.



Coaxial & TOSLINK Digital Outputs.



Balanced XLR and Un-balanced RCA outputs.



ATC Discrete class-A output buffers.



Handmade in England.



6 year warranty*.

*TWO years on CD mechanism.

Specifications

Output Level : 2V unbalanced/4V balanced (re. 0dBfs digital)

S+N/N Ratio : >112dB (re. 2V out, IEC 'A')

THD : < 0.0015% /-96dB (1kHz re. 2V out)

Distortion : 1kHz < 0.0015% (-96dB) 10kHz < 0.003% (-90dB)

Frequency Response : +/- 0.2dB (20Hz – 20kHz)

Analogue Line Outputs : 1 x balanced stereo pair via XLR, 1 x unbalanced stereo pair via RCA/Phono

Digital Outputs : 1 x TOSLINK, 1 x Coaxial

Dimensions : 77 x 315 x 327mm / 3 x 12.4 x 12.9 inches (H x W x D inc. chassis connectors)

Weight : 3.85kg / 8.47lbs



CDA 2 MK 2

CD / Preamp / DAC

OVERVIEW

Combining very high performance and versatility, the CDA2 combines a CD player, pre-amplifier and high-resolution DAC within a compact and elegant chassis. Acting as the source or combined with a streamer and/or external phono stage, it can partner with active speakers to form an exceptional system with minimal 'box-count'. Alternatively, the CDA2 can combine with a power amplifier such as the ATC P2 to drive passive loudspeakers with stunning results.

FEATURES

- All-discrete class-A pre-amplifier with balanced and unbalanced outputs.

- Two analogue inputs via RCA/phono and one via 3.5mm mini-jack.

- High performance CD Player.

- Premium AKM 32-bit DAC.

- USB digital input supporting up to 384kHz PCM data and native DSD256.*

- Headphone amp featuring discrete output stage.

- Roon Tested Certification.

- Handmade in England.

- 6 year warranty.**

*DSD256 support via PC only (up to DSD128 via Mac).

** TWO years on CD mechanism.

Specifications

CD PLAYER

THD : < 0.0015% / -96dB (1kHz re. 2V out)

Frequency Response : +/- 0.2dB (20Hz–20kHz)

PRE-AMPLIFIER

Frequency Response : < 2 Hz –> 280 kHz (-3dB)

Distortion : <0.0008% / 102dB (1kHz)

S+N/N Ratio: >112dB (IEC 'A')

Crosstalk : < -80dB (20Hz – 20kHz)

Input Sensitivity :

Aux inputs 600mV, 3.5mm inputs 400mV (re. 2V out)

Maximum Output Level – Balanced XLR :

18.4V r.m.s. (600 ohms)

Maximum Output Level – Un-Balanced :

9.2V r.m.s (600 ohms)

Analogue Pre-Amp Outputs : 1 x balanced stereo pair via XLR, 1 x unbalanced stereo pair via RCA/Phono

Headphone Amp Output : 1 x via 6.35mm jack

Analogue Inputs: 2 x stereo pairs via RCA/Phono,

1 x via 3.5mm jack

DAC

Digital Inputs : 1 x TOSLINK, 1 x Coaxial, 1 x USB Audio

Distortion : <0.001% at all supported sample rates

Supported Formats TOSLINK : Up to 24/96 PCM

Supported Formats Coaxial : Up to 24/192 PCM

Supported Formats USB :

Up to 32/384 PCM.

Up to DSD256 via Windows/Linux.

Up to DSD128 via Mac.

PHYSICAL

Dimensions : 94 x 449 x 327mm / 3.7 x 17.7 x 12.9 inches

(H x W x D inc. chassis connectors)

Weight : 6.35kg / 13.97lbs



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

C A 2

Stereo Preamplifier

OVERVIEW



Given ATC's history manufacturing active loudspeakers, a partnering preamplifier was a logical step and our first preamp, the SCA2, was released in 1996.

The CA2 – a simpler design yet still offering exceptional performance – is derived from the 'high-end' SCA2 and maintains its exceptional performance, but with fewer features.

It is equally adept at driving active loudspeakers as paired with one of ATC's power amplifiers and a wide range of inputs and outputs ensure outstanding compatibility with a very wide range of partnering equipment.

FEATURES



Discrete class-A low-noise circuitry evolved from the high-end SCA2 preamp.



MC/MM RIAA Phono Stage with adjustable gain/loading.



High-Performance headphone amplifier.



5 x stereo RCA/Phono inputs.



Preamp outputs via XLR and RCA/Phono.



IR remote control.

Hand built in the UK and covered by a 6-year warranty.

Specifications

Frequency Response : D.C. - >500kHz (-3dB)

THD : < 0.0005% / -106dB (1kHz, 1V, 600 ohms)

S+N/N Ratio : >108dB (IEC 'A')

Crosstalk : >90dB (10Hz - 20kHz)

Input Sensitivity : 150mV (re. 1V out)

Maximum Output Level : 7.5V r.m.s. (600 ohms)

Analogue Preamp Outputs : 2 x stereo pair RCA/Phono, 1 x stereo pair male XLR (all unbalanced)

Headphone Amp Output : 1 x via 6.35mm jack

Analogue Tape Output : 1 x stereo pair RCA/Phono

Analogue Line Inputs : 5 x stereo pairs RCA/Phono

RIAA Phono Input : 1 x stereo pair via RCA/Phono. MC/MM with adjustable gain and loading

Dimensions : 94 x 449 x 330mm / 3.7 x 17.7 x 13.0 inches (H x W x D inc. chassis connectors)

Weight : 6kg / 13.2lbs



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SCA 2

Stereo Pre-amplifier

OVERVIEW

The SCA2 is ATC's highest performance preamplifier and has been in continuous production since 1996, testament to its exceptional performance and timeless styling. It is the ideal partner to ATC's high-end active loudspeakers and also power amplifiers, such as the ATC P2.

Balanced and unbalanced inputs and outputs provide flexible connectivity to a very wide range of partnering equipment.

The optional phono stage is fully configurable for gain, resistive and capacitive loading and its low-noise design makes it well suited to even the lowest output moving coil cartridges.

FEATURES

- Discrete class-A low-noise circuitry throughout.
- High-current output stages ensure exceptionally low distortion into any load and when driving long cables.
- 500kHz bandwidth eliminates phase shift and contributes to the outstanding reproduction of fine musical detail.
- Optional SPH2 MC/MM RIAA precision phono stage with extensive gain/loading options.
- 2 x stereo balanced XLR line inputs and 6 x stereo RCA/Phono line inputs.
- 1 x stereo balanced XLR and 1 x stereo single-ended RCA/Phono preamp output.
- Billet Aluminium IR remote control.
- Hand built in the UK and covered by a 6-year warranty.

Specifications

Frequency Response : D.C. - >500kHz (-3dB)

THD : < 0.0005% / -106dB (1kHz, 1V, 600 ohms)

S+N/N Ratio : >108dB (IEC 'A')

Crosstalk : 90dB (10Hz - 20kHz)

Input Sensitivity : 230mV (re. 1V output)

Maximum Output Level - Balanced : 17V r.m.s (600 ohms)

Analogue Pre-Amp Outputs : 1 x stereo male XLR (balanced), 1 x stereo RCA/Phono (unbalanced)

Analogue Tape Output : 2 x stereo via RCA/Phono

Analogue Inputs : 2 x stereo via female XLR (balanced), 6 x stereo via RCA/Phono (unbalanced)

RIAA Input : Optional via addition of internal card (converts 1 x stereo line input).

Configurable Moving Coil / Moving Magnet (MC/MM) with adjustable gain and loading.

Dimensions : 102 x 440 x 353mm / 4.0 x 17.3 x 13.9 inches (H x W x D)

Weight : 6.85kg / 15.07lbs



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

P I

Dual Mono Power Amplifier

OVERVIEW



Using power amplifier circuits derived from ATC's revered active loudspeakers, the P1 dual-mono power amplifier makes this exceptional technology available to all Hi-Fi and music enthusiasts. It is the ideal partner to a wide range of passive loudspeakers and can provide a significant improvement for those wishing to upgrade from a system using an integrated amplifier.

Like the more powerful P2, the combination of exceptional resolution and neutral fidelity allows the quality of the original recording to shine through whilst also offering outstanding compatibility with a wide range of partnering equipment.

FEATURES



150W per channel delivers high dynamic range from a wide selection of loudspeakers.



Dual-mono design delivers full power simultaneously from both channels, with minimal crosstalk.



Balanced and unbalanced inputs, plus unbalanced 'link' outputs.



Grounded source class A/B output stage circuits as found in ATC's renowned active loudspeakers.



Wide bandwidth, low distortion and high dynamic range ensure tonal accuracy and perfectly timed transients.



Gain matched to larger 300W P2 enabling bi-amp compatibility.



Neutral fidelity ensures excellent system compatibility.



Hand built in the UK and supported by a 6-year warranty.

Specifications

Max Continuous Power Output : >150W (1% THD, 8 ohms, both channels driven)

Input Sensitivity : 2V (ref. 150W out)

Frequency Response : <2Hz - >400kHz (-3dB)

S+N/N Ratio : >115dB (ref 150W, IEC 'A')

Crosstalk : >100dB (10Hz - 20kHz)

THD : <0.002% / -95dB (8 ohms, 1kHz, 1dB below full power)

Analogue Line Inputs : 1 x stereo pair female XLR (balanced), 1 x stereo pair RCA/Phono (unbalanced)

Output 'Link' : 1 x stereo pair RCA/Phono (unbalanced)

Dimensions : 142 x 453 x 338mm / 5.6 x 17.8 x 13.3 inches (H x W x D inc. binding posts)

Weight : 17.55kg / 38.61lbs



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

P 2

Dual Mono Power Amplifier

OVERVIEW

■
Upgrading from the P1 power amp, the P2 adds a much larger power supply and additional output MOSFETs to double power to 300W per channel. It is the ideal solution to drive speakers in larger rooms and/or when a loudspeaker presents a difficult load and will provide an effortless, musical presentation under these demanding conditions. Like the smaller P1, the combination of exceptional resolution and neutral fidelity allows the quality of the original recording to shine through whilst also offering outstanding compatibility with a wide range of partnering equipment.

FEATURES

- 300W per channel – ideal for larger rooms and/or challenging loudspeaker loads.
- Dual-mono design delivers full power simultaneously from both channels, with minimal crosstalk.
- Balanced and unbalanced inputs, plus unbalanced 'link' outputs.
- Grounded source class A/B output stage circuits as found in ATC's renowned active loudspeakers.
- Wide bandwidth, low distortion and high dynamic range ensure tonal accuracy and perfectly timed transients.
- Gain matched to smaller 150W P1 enabling bi-amp compatibility.
- Neutral fidelity ensures excellent system compatibility.
- Hand built in the UK and supported by a 6 year warranty.

SPECIFICATIONS

- **Max Continuous Power Output** : >300W (1% THD, 8 ohms, both channels driven)
- **Input Sensitivity** : 2V (ref. 150W out)
- **Frequency Response** : <2Hz - >400kHz (-3dB)
- **S+N/N Ratio** : >115dB (ref 150W, IEC 'A')
- **Crosstalk** : >100dB (10Hz - 20kHz)
- **THD** : <0.002% / -95dB (8 ohms, 1kHz, 1dB below full power)
- **Analogue Line Inputs** : 1 x stereo pair female XLR (balanced), 1 x stereo pair RCA/Phono (unbalanced)
- **Output 'Link'** : 1 x stereo pair RCA/Phono (unbalanced)
- **Dimensions** : 142 x 453 x 338mm / 5.6 x 17.8 x 13.3 inches (H x W x D inc. binding posts)
- **Weight** : 23.35kg / 51.37lbs



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

S I A 2 - 1 0 0

Stereo Integrated Amplifier

OVERVIEW

■ Compact in size yet offering high power output and exceptional resolution, this integrated amplifier with on-board DAC is ideally suited to driving ATC's small and mid-size passive loudspeakers and a very wide range from other manufacturers. Understated styling makes it easy to integrate with partnering equipment whilst its small footprint occupies very little space in the home. An ideal partner for our CD2 CD Player.

FEATURES

- 3 x line level analogue inputs.
- 3 x digital inputs: USB, Coaxial, TOSLINK.
- Premium AKM 32-bit DAC.
- USB digital input supports up to 384kHz PCM data and native DSD256.*
- 2 x 100W discrete MOSFET output stage
- Headphone amp featuring discrete output stage.
- Handmade in England.
- 6 year warranty.

*DSD256 support via PC only (up to DSD128 via Mac).

Specifications

AMPLIFIER

Max Continuous Power Output : 100W (0.1% THD, 8 ohms, both channels driven)

Frequency Response : < 2 Hz – > 250 kHz (-3dB)

Distortion : <0.0015% / 96dB (1kHz, 8 ohms, 1dB below full power)

S+N/N Ratio : >112dB (IEC 'A')

Crosstalk : >90dB (10Hz - 20kHz)

Input Sensitivity : 500mV (ref. 100W out)

Analogue Pre-Amp Outputs : 1 x stereo pair via RCA/Phono

Headphone Amp Output : 1 x via 6.35mm jack

Analogue Line Inputs : 2 x stereo pairs via RCA/Phono, 1 x via 3.5mm jack

DAC

Digital Inputs : 1 x TOSLINK, 1 x Coaxial, 1 x USB Audio

Distortion : <0.001% at all supported sample rates

Supported Formats TOSLINK : Up to 24/96 PCM

Supported Formats Coaxial : Up to 24/192 PCM

Supported Formats USB :

Up to 32/384 PCM.

Up to DSD256 via Windows/Linux.

Up to DSD128 via Mac.

PHYSICAL

Dimensions : 113 x 315 x 342mm / 4.4 x 12.4 x 13.5 inches (H x W x D inc. binding posts)

Weight : 9kg / 19.8lbs



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

S I A 2 - 1 5 0

Stereo Integrated Amplifier

OVERVIEW

Combining the discrete preamp circuits from the high-end SCA2 preamplifier and ATC's renowned MOSFET class A/B power amplifiers, the SIA2-150 offers power and precision to the discerning music fan who wants a simple all-analogue solution to drive their passive loudspeakers.

FEATURES

- 150 watts per channel.
- Discrete MOSFET Class A/B output stage.
- Discrete class-A low-noise, wide-band input stages.
- 5 x stereo RCA/Phono inputs.
- 3 x stereo RCA/Phono outputs (preamp, subwoofer and tape).
- Headphone amplifier.
- IR Remote control.
- Hand built in the UK and covered by a 6-year warranty.

Specifications

Max Continuous Power Output : 150W (1% THD, 8 ohms, both channels driven)

Frequency Response : < 2 Hz – > 280 kHz (-3dB)

THD : <0.0008% / 102dB (1kHz, 8 ohms, 1dB below full power)

S+N/N Ratio : >112dB (IEC 'A')

Crosstalk : >90dB (10Hz - 20kHz)

Input Sensitivity : 350mV (ref. 150W out)

Analogue Inputs : 5 x stereo pairs via RCA/Phono

Analogue Pre-Amp Outputs : 2 x stereo pairs via RCA/Phono

Tape Output : 1 x stereo pair via RCA/Phono

Headphone Amp Output : 1 x stereo via 6.35mm jack

Dimensions : 142 x 453 x 346mm / 4.4 x 12.4 x 13.6 inches (H x W x D inc. binding posts)

Weight : 18.3kg / 40.26lbs



RECOMMENDED PARTNERING ATC ELECTRONICS

		CD2	CDA2 Mk2	CA2	SCA2	PI / P2	SIA2-100	SIA2-150
	CD2 COMPACT DISC PLAYER			●	●		●	●
	CDA2 MK2 CD / PRE / DAC					●		
	CA2 PREAMPLIFIER	●				●		
	SCA2 PREAMPLIFIER	●				●		
	P1 150W DUAL-MONO POWER AMPLIFIER		●	●	●		●	
	P2 300W DUAL-MONO POWER AMPLIFIER		●	●	●		●	
	SIA2-100 100W STEREO INTEGRATED AMPLIFIER	●				●		
	SIA2-150 150W STEREO INTEGRATED AMPLIFIER	●						

RECOMMENDED PARTNERING ATC LOUDSPEAKERS



ENTRY SERIES 2 / 3-WAY PASSIVE / ACTIVE

From left to right:
SCM7 / SCM11 / SCM19 Bookshelf/Standmount Passives, SCM40 Tower Passive, SCM19A / SCM40A Tower Actives

Suggested partnering ATC electronics:
For Passive Entry loudspeakers – CD2 with SIA2-100 or SIA2-150; CDA2 Mk2 with P1 or P2
For Active Entry loudspeakers – CDA2 Mk2; CA2



TOWER SERIES 2 / 3-WAY PASSIVE / ACTIVE

From left to right:
SCM20ASLT / SCM50ASLT / SCM100ASLT / SCM150ASLT. Larger models (SCM200ASLT & SCM300ASLT) are also available.
All Tower models may also be ordered in Passive configuration, apart from SCM20ASLT which is offered as the SCM20SL standmount.
The ATC Classic Series offers Standmount variants of each 'Tower', providing identical performance to their associated ATC Tower monitors

Suggested partnering ATC electronics:
For Active Tower loudspeakers – CDA2 Mk2, SCA2
For Passive Tower loudspeakers – CDA2 Mk2, SCA2 with P2



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