

# C4

C4 Sub Mk2

12" SUBWOOFER



HIFI SERIES

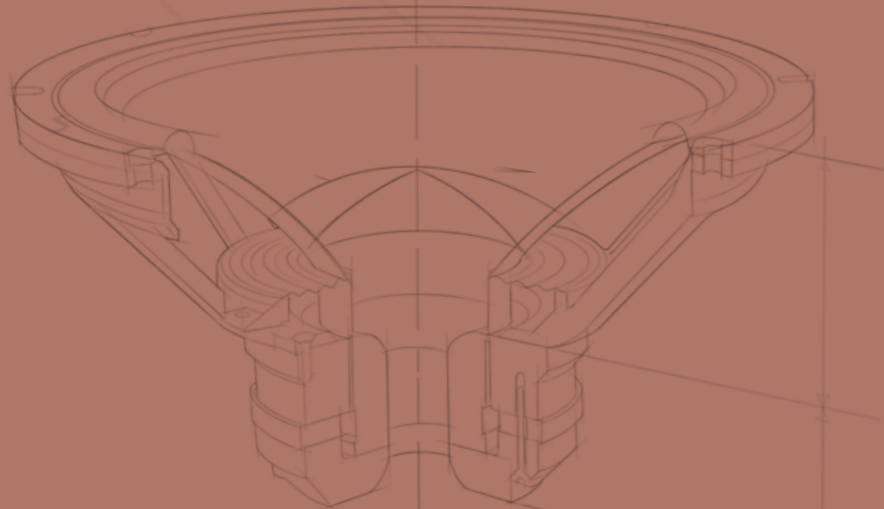
**ACOUSTIC  
ENGINEERS**



# INTRODUCING THE C4 MK2 SUBWOOFER



*The driver employed reproduces the lowest 3 octaves of the audio band.*



The ATC C4 Sub Mk2 is a high-performance active subwoofer, engineered to deliver professional studio quality sound to the home environment. Designed to integrate seamlessly into an existing audio system, its features have been carefully considered and its proprietary drive unit and active amplifier are designed to work together to reproduce the lower octaves of the audio band without compromise.

Hand-built in England, this dedicated active sub is ideal for supporting stereo speakers, or working as a dedicated low frequency effects channel within cinemas or audiovisual systems.

## A new standard of sound clarity

At its core is the SS75-314SC 12" (314mm) drive unit, engineered in-house by ATC to accurately reproduce sound below 160Hz. Its short coil operates within a very long magnetic gap to ensure minimal distortion across the full dynamic range, guaranteeing the highest quality audio experience.

## Experience active audio

The C4 Sub Mk2's active design seamlessly integrates the driver and a 300W Class A-B MOSFET based power amplifier into a single system, ensuring peak performance. User controls allow for optimised integration with existing loudspeakers, delivering the same exceptional sound quality found in the world's top music and film recording studios.

# MADE IN ENGLAND SINCE 1974

Founded in 1974 by Billy Woodman and based in the Cotswolds, ATC is one of the most respected manufacturers of loudspeakers and audio equipment in the world. Our team of engineers and technicians are dedicated to creating the best audio performance for our customers.

A u d i o   e n g i n e e r i n g   w i t h o u t   c o m p r o m i s e

ATC is a trusted name in the music and film industries, renowned for designing and engineering loudspeakers and audio electronics that deliver flawless audio reproduction. From standalone pre-amplifiers and power amplifiers to active loudspeakers and subwoofers like the C4 Sub Mk2, ATC's engineering excellence is celebrated by audio experts worldwide.



# C4

## Designed from the ground up

In the C4 Sub Mk2, our designers have created a subwoofer that combines timeless style with the latest in audio engineering and technology. The SS75-314SC drive unit epitomises our design philosophy to achieve the best possible performance, whilst complimenting not overpowering. The cabinet construction has been carefully considered to ensure the best performance and the veneers are carefully hand selected to achieve the highest quality of finish.

## Engineered for excellence

The convection-cooled 300W Class A-B MOSFET power amplifier is discreetly integrated into the rear of the cabinet. With balanced outputs for connecting to active loudspeakers, amplifiers, or additional subwoofers, it offers a 21dB gain control range, three low-pass frequency settings, and a polarity switch, allowing you to tailor the sound to your requirements. In the C4 Sub Mk2, our engineers have worked tirelessly to deliver an audio experience that will exceed your expectations.



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C4 SUB Mk2 | 12" SUBWOOFER

## Features

Proprietary dedicated sub bass driver

On-board 300W MOSFET class A/B amplifier

Ideal partner to SCM19, SCM20, SCM40, SCM50 and SCM100

Variable low pass filter

Adjustable gain, low pass frequency, polarity and phase settings

Stereo, home cinema and AV applications compatible

Hand-built in England

6 year warranty



## Specifications

**Acoustic Drive Unit – Bass** 1 x SS75-3145C 8Ω **Low Frequency Cut-off** 22Hz (-6dB, half space, low pass filter set at 80Hz) **Low Pass Filters** 50Hz, 65Hz, 80Hz, 320Hz (-6dB, 4th order Linkwitz Riley) **MaxSPL** 110dB continuous, 116dB peak (IEC Weighted Pink Noise, measured at 1m, half space, low pass filter set at 80Hz) **Sensitivity** +4dBu ref. 88dB (single channel driven, measured at 1m, Gain +6dB, Level 0dB, pink noise, low pass filter set at 80Hz) **Electronic Amplifier type** Grounded Source MOSFET based Class A-B, convection cooled **Output Power** 300W into 8Ω **THD+N** <0.003%/-90dB, at 100Hz, 300W into 8Ω over 90kHz bandwidth **Balanced Inputs** 2 x Rear Panel Mounted Female XLR, pin 2 hot **Input CMMR** 90dB at 200Hz **Input Impedance** 20kΩ (differential) **Balanced Outputs** 2 x Rear Panel Mounted Male XLR, pin 2 hot **Output Impedance** 100kΩ (differential) **Frequency Response** <2Hz (-3dB) – 320Hz (-6dB, set by panel-controlled LP filter) **Low Pass Filters** 4th Order Linkwitz Riley **Gain Control** 0, +6dB, +10dB **Level Control** 0dB -11dB in 1dB steps. Total range 21dB with use of Gain switch **Phase Control** 0-180° ref. Input **Polarity Control** In-phase/Out-of-phase ref. Input **Limiter** ATC Active FET Momentary Gain Reduction **Sensitivity** 1.55Vrms for full power (single channel driven, Gain 0dB, Level 0dB) **Mains Input** 220-230V or 115V – Factory set. Please observe panel markings and labels! **Power Consumption** Idle 8W/14VA 1/8th Power: 170W/230VA. Full Power 500W/600VA **Additional** Mute via ¼"/6.35mm Jack socket, controlled via latching footswitch (supplied separately) **Physical Weigh** 42kg / 92.6lbs **Dimensions** HxWxD 568 x 464 x 500mm 22<sup>15</sup>/<sub>16</sub>" x 18<sup>1</sup>/<sub>4</sub>" x 19<sup>1</sup>/<sub>16</sub>" ATC reserve the right to change specifications without prior notice

# NATURAL CABINET FINISHES



BLACK ASH



BURR MAGNOLIA



BURR POPLAR



CHERRY



EUROPEAN WALNUT



OAK



PIPPY OAK



ROSEWOOD



SATIN BLACK



SATIN WHITE



WALNUT

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CHERRY



EUROPEAN WALNUT



OAK



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PIANO BLACK



PIANO WHITE



WALNUT

Find out more here ▶

**IDEAL PARTNER TO  
SCM19 SCM20 SCM40  
SCM50 SCM100**



PARTNERING THE C4 SUBWOOFER MK2



**SCM19**

1 X C4 SUB MK2



**SCM20**

1 X C4 SUB MK2



**SCM40**

1 X C4 SUB MK2



**SCM50**

1-2 X C4 SUB MK2



**SCM100**

1-2 X C4 SUB MK2





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