

ACOUSTIC ENERGY

for the love of music



PRODUCT OVERVIEW 2019 / 20

The legendary AE1 set new industry standards in audio performance from a compact enclosure, creating the company's product ethos maintained to this day



OUR JOURNEY

Acoustic Energy was originally founded in West London in 1987. Our first product was the legendary world-renowned loudspeaker, the AE1. Originally designed as a near field monitor by Phil Jones, his goal was to "*improve the quality of music reproduction by absolute resolution, as good music should not be played on bad speakers*". The AE1 set new industry standards in audio performance from a compact enclosure, creating the company's product ethos maintained to this day.

In the mid-90s Acoustic Energy partnered with an overseas manufacturer, enabling the brand to expand its global reach through a wider product portfolio. To facilitate this growth, AE moved from London to larger premises in the historical town of Cirencester in the heart of the Cotswolds.

In 2017 Acoustic Energy became wholly British owned again by four directors. Music lovers Mat Spandl, Neil Truckell, James Luce and Martin Harding (not pictured) have been involved with the company for over 20 years and combine 100 years of experience in the audio industry. Our loudspeakers have always received critical acclaim from audio journalists around the world, helping to secure our status as one of the most highly regarded British brands in the audio industry.

This overview merely showcases our current portfolio, so we'd strongly recommend experiencing our loudspeaker systems for yourself in one of the authorised dealers throughout the UK, or over 50 countries around the world we now export to.

OUR PHILOSOPHY

Our simple philosophy is to employ technology wisely, thoroughly and elegantly with one objective in mind – to accurately transfer the amplified signal into audible energy and faithfully reproduce even the most complex and dynamic musical programme... all for the love of music.



500 SERIES



Our flagship 500 Series comprises the AE500 stand-mount and AE509 floor-standing loudspeakers. Both feature our newly developed carbon fibre tweeter and mid/bass driver, designed to match the pistonic power and accuracy of our legendary ceramic aluminium drivers but with improved self-damping for a smoother, more transparent sound.

The new 25mm carbon fibre tweeter dome is lighter and more damped than typical hard dome materials, providing a lightning fast and accurate sound with optimum neutrality. Our extremely inert, cast aluminium WDT (Wide Dispersion Technology™) waveguide surrounding the tweeter ensures sweet, clear and natural vocals, whilst positioning close to the mid/bass driver improves dispersion and soundstage.

The new 125mm mid/bass drivers have been designed with oversized 35mm voice coils for low thermal compression and a highly dynamic yet controlled bass response. The woofers also have an optimised motor suspension system for maximum linearity and lowest distortion for mid-range definition, whilst the lightweight nature of the cone material increases transient speed and clarity.

These unique high and low frequency drivers are housed in our new Resonance Suppression Composite (RSC) cabinets evolved from the prestigious Reference Series and feature the same constrained layer composite material to greatly reduce cabinet acoustic radiation.

The 500 Series is available in high gloss Piano Black, White and American Walnut real wood veneer cabinet finishes.

AE500



A compact 2-way stand-mount/bookshelf loudspeaker for small to medium sized rooms.

Sensitivity: 87dB
Power handling: 120W
Impedance: 6 ohms
Bandwidth: 45Hz - 28kHz

AE509



An MTM design, slim-line floor-standing loudspeaker suitable for medium to large sized rooms. Solid aluminium bars are supplied to ensure rigid floor-coupling and maximum stability, whilst reducing room to speaker interaction.

Sensitivity: 89dB
Power handling: 175W
Impedance: 6 ohms
Bandwidth: 32Hz - 28kHz

300 SERIES



Building on the hugely popular and universally acclaimed 100 Series, the 300 Series raises the performance bar by featuring multiple upgrades, all designed to improve both audio performance and aesthetics, befitting its more premium status. Bespoke new drive units have been designed in tandem to offer seamless tonal integration with low distortion and high-power handling benefits.

The 28mm aluminium dome tweeter houses our WDT (Wide Dispersion Technology™) surround and the 130mm aluminium mid-bass driver uses a ceramic aluminium sandwich cone with an ultra-shallow profile and long throw motor system. This new driver boasts improved dispersion, extended bass slam and overall power handling.

The cabinet enclosures are crafted from an inert 18mm high density MDF material with proprietary internal bracing technology to reduce cabinet colouration.

The 300 Series is available in high gloss Piano Black, White and Walnut real wood veneer cabinet finishes.

AE300



A compact 2-way stand-mount/bookshelf loudspeaker for small to medium sized rooms.

Sensitivity: 86dB / Power handling: 100W
Impedance: 6 ohms / Bandwidth: 45Hz – 30kHz

AE309



A slim-line floor-standing loudspeaker suitable for medium to large sized rooms and supplied pre mass-loaded to reduce interaction with the floor.

Sensitivity: 89dB / Power handling: 175W
Impedance: 6 ohms / Bandwidth: 38Hz – 30kHz

AE308



A powerful new subwoofer for both 2.1 hi-fi and multi-channel home cinema systems, designed to complement and seamlessly integrate with the AE300s, AE309s and AE307 loudspeakers.

Power handling: 500W / Bandwidth: 26Hz – 120kHz
Driver: 12" bass driver / DSP modes

AE307



A new centre channel loudspeaker designed to optimise dialogue within home cinema and multi-channel music systems.

Sensitivity: 89dB / Power handling: 175W
Impedance: 6 ohms / Bandwidth: 42Hz – 30kHz

100 SERIES



A stylish, powerful range of entry-level loudspeakers embodying all the qualities Acoustic Energy is renowned for. The 100 Series introduced a number of evolutionary changes focused on refining the listening experience from a room friendly loudspeaker at an affordable price.

Our WDT (Wide Dispersion Technology™) tweeter assembly from the AE1 Active was introduced creating much-improved in-room dispersion for the 25mm soft dome tweeter. The 110mm paper coned mid/bass drivers use a high force, long throw motor systems which are reflex loaded through slot ports located to the rear of the 100s, 109s and 107 enclosures for less midrange colouration and improved bass response.

Externally the elegant appearance is achieved by attractive finish options with neat magnetic grilles to complement the compact, slim-line 18mm MDF cabinets.

The 100 Series is available in Satin Black, White (AE100 only) and Walnut vinyl veneer cabinet finishes.

AE100



A compact 2-way stand-mount/bookshelf loudspeaker for small to medium sized rooms.

Sensitivity: 87dB / Power handling: 75W
Impedance: 4 ohms / Bandwidth: 45Hz – 35kHz

AE108²



The new and improved AE108² is a compact, yet powerful active subwoofer for both 2.1 hi-fi and multi-channel home cinema systems, designed to compliment and seamlessly integrate with the AE100's, AE109's and AE107 speakers.

Power handling: 150W / 10" bass driver
Bandwidth: 30Hz – 110Hz / Remote control

AE109



A slim-line, 2.5 way floor-standing loudspeaker suitable for medium to large sized rooms and supplied pre mass-loaded with 8mm floor spikes to add damping and reduce interaction with the floor.

Sensitivity: 89dB / Power handling: 150W
Impedance: 4 ohms / Bandwidth: 40Hz – 35kHz

AE107



AE120



This series flagship is a 3-way, slim-line floor-standing loudspeaker for medium to large sized rooms and supplied pre mass-loaded with 8mm floor spikes to add damping and reduce interaction with the floor.

Sensitivity: 90dB / Power handling: 200W
Impedance: 6 ohms / Bandwidth: 40Hz – 35kHz

A centre channel loudspeaker designed to optimise dialogue within home cinema and multi-channel music systems.

Sensitivity: 90dB / Power handling: 150W
Impedance: 4 ohms / Bandwidth: 45Hz – 35kHz

AE1 ACTIVE



A 2-way stand-mount speaker with integrated class A/B amplification and fully active filter network providing all the power and impact you would expect from the original AE1 housed within a self-powered, fully active package. Ideal for direct connection to audiophile DAC/Preamps and Hi-Res streamers, the AE1 Active merges three decades of AE1 refinement with Acoustic Energy's expertise in the active studio monitor sector. This new Active model offers all the musical insight and detail that has made the AE1 the audiophile's small speaker of choice for over 30 years.

Key to the success of the AE1 Active design is its unique pure piston ceramic aluminium cone technology for the mid/bass driver. Now in its fifth generation, this 125mm ceramic hard-anodised spun aluminium cone offers exceptional stiffness and low weight. This negates the cone flex and break-up nodes at frequencies typical of paper and plastic cone designs. The tweeter is an all-new AE designed 27mm metal dome unit, engineered to

work in harmony with AE's WDT (Wide Dispersion Technology™) waveguide.

Electronically, the AE1 Active is an all-analogue design focused on performance without compromise. This includes wired analogue inputs (both balanced XLR and standard RCA) the highest quality linear power supplies and two pair-matched, high-performance 50Watt Class A/B amplifiers per speaker. The active design also offers the ability for accurate tuning to the listening room and placement, thanks to +/- 2dB control trims for bass and treble response and high-quality analogue volume pots for systems without level control on the source component.

Externally, the AE1 Active gets a wholly redesigned cabinet featuring an extensively braced heavyweight fibreboard construction with internal damping panels, finished in various high gloss finishes. The slot duct port to the rear delivers unrivalled cross-sectional area, reduced baffle space and significantly reduced 'wind-noise' at high volumes.

The AE1 Active maximises all the benefits of an active loudspeaker design; reducing crossover losses, eliminating speaker cable influences and delivering unequalled dynamic power and presence. The result is an active speaker rivalling passive speaker / external amplifier systems at many times its price. No other small speaker gets close to the AE1 Active's performance and is equally enjoyable in the home or recording studio.

The AE1 Active is available in Piano Black, Piano White and Piano Walnut real wood veneer finishes.



Sensitivity: 104dB / Power handling: 200W system
Bandwidth: 42Hz – 28kHz / Inputs: RCA and Balanced XLR
Amplifier: Class A/B with linear power supply



AEGO SYSTEMS



This 3rd generation AEGO system retains the original's configuration with improved performance and cutting-edge functionality, thanks to wireless connectivity and an all new Soundbar version for use with TVs and monitors.

New aluminium composite satellite and Soundbar speaker units offer superior frequency response and improved clarity, whilst the 65W RMS Subwoofer and power unit help to create extended room-filling sound. Both AEGO systems are equipped with analogue RCA and 3.5mm line in and optical digital inputs, together with Apt-X capable wireless Bluetooth 4.0 ensuring its compatibility with a huge range of devices. Connector cables, remote control and a global use switch mode power supply are all supplied for added plug-and-play convenience.

Both AEGO systems offer convenient, multi-media speaker solutions providing exciting and engrossing musical or cinematic performances, compatible with a huge variety of partnering equipment including PCs, Laptops, Games consoles, Smartphones, Tablets, TVs and Monitors.

Available as a Black textured subwoofer with aluminium/matt black satellites or shelf/wall mountable Soundbar.

AEGO SOUNDBAR

2.1 Subwoofer/Soundbar system



AEGO³

2.1 Subwoofer/Satellite system



WHAT THE PRESS SAY



AE309

Hi-Fi World - October 2018

"Conclusion: Acoustic Energy's AE309 may look a little meek and mild, but certainly doesn't sound like it. Partnered with good-quality amplification, it delivers a very grown-up rendition of whatever type of music you choose to play."



AE309

Hi-Fi Choice - November 2018

"Their sound is viscerally gripping and a totem of hi-fi: listen to them and I guarantee you will be wowed by their delivery – a notch above most else."



AE109

Hi-Fi World - March 2018

"Conclusion: An attractive, affordable small floorstander, Acoustic Energy's AE109 sounds unexpectedly refined for its price and yet is unerringly good fun to listen to, across a wide variety of music. If you're in the market for this sort of loudspeaker, it's an essential audition. Hear it if you possibly can."



AE1 Active

Hi-Fi Choice - March 2017

"It's hard to think of any other comparably priced standmount that images with such solidity or resolves voice, instrument timbre and ambient information more naturally" and "DISLIKE: Nothing."



AE1 Active

The Ear - December 2017

"This speaker rocks and the impact of drums and other instruments is explosive thanks to its dynamic capabilities" and "Recommended and not only for performance, they are a steal."



AE109

Hi-Fi Choice - July 2017

"These AE109 floorstanders are exactly what good budget hi-fi should be. Exciting with rock and pop, authoritative with classical and sparkling with everything in-between. You can pay a good deal more and get a great deal less for your money."



AE100

Hi-Fi Choice - December 2017

"Conclusion: The AE100s are a fantastic budget loudspeaker that sound much more than their price. Don't be fooled by their size – they can punch out a tune with great resolution and no sign of strain. They are one of the best £200 loudspeakers I've heard and deserve an audition."



AE1 Active

HIFICritic - October 2017

"...it punches well beyond its size and price. It is capable, musical, entertaining and clearly great value, ...a Best Buy rating is clearly appropriate."



AE120

Hi-Fi Choice - May 2019

"The result is a refined yet musical floorstander that's much better than you have any right to expect for the money..."



AE300

Hi-Fi World - April 2019

"What the AE300 does, it does very well and is always a pleasure to listen to – in its own special way it makes music magic, and you can't say fairer than that."



AE1 Active

The Audiophile Man - April 2018

"What I liked about the bass was that it didn't showboat but sat within the mix. It retained its individual nature and was both effective and powerful but didn't pretend that it was the star of the show. That is, it didn't swamp the soundstage but knew its place and was more effective because of it."



AE100

Hi-Fi World - November 2017

"The overall effect is great; sounding punchy and articulate with lots of energy and articulation – plus a satisfying sheen."



AE300

Hi-Fi Choice - March 2018

"With the silky tones of Sinéad O'Connor on her version of 'Peggy Gordon' from 'Sean-Nos Nua' the intakes of breath between the lines took me aback. This was as realistic as it comes from a set of compact standmount loudspeakers. So much so I could not help playing the track again and again to revel in the levels of detail revealed."

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