



Introducing the AELITE Series of loudspeakers. A New mid-fi collection of speakers, using modern design techniques in drive unit technology and cabinet enclosure construction.

Following with AE tradition, lightweight high-efficiency alloy cones housed in die-cast aluminium chassis are used for the mid/ bass driver units, providing a fast, tight bass response with optimum detail and clarity.

	AE601	AE603	AE607 Centre	AE608 Sub
HF Unit	25mm neodymium tweeter with high dispersion diaphragm. Ferrofluid cooled and damped. Magnetically shielded. Exclusively Profiled.	25mm neodymium tweeter with high dispersion diaphragm. Ferrofluid cooled and damped. Magnetically shielded. Exclusively Profiled.	25mm neodymium tweeter with high dispersion diaphragm. Ferrofluid cooled and damped. Magnetically shielded. Exclusively Profiled.	N/A
MF Unit		110mm mid range driver with 32mm short throw voice coil, die cast chassis, high power, magnet system and light-weight alloy cone. Magnetically shielded.	110mm mid range driver with 32mm long-throw voice coil, die cast chassis, high power, magnet system and light-weight alloy cone. Magnetically shielded.	N/A
LF Unit	110mm mid/bass driver with 32mm long throw voice coil, die cast chassis, high power, magnet system and light-weight alloy cone. Magnetically shielded	Twin 125mm mid/bass drivers with 26mm voice coil, die cast chassis, high power, magnet system and lightweight alloy cone. Magnetically shielded.	110mm mid/bass driver with 32mm long-throw voice coil, die cast chassis, high power, magnet system and light-weight alloy cone. Magnetically shielded.	One front facing 220mm pulp cone unit
Power Handling	100 watt max	175 watt max	150 watt max	>75db
Overall Frequency Response	40Hz – 23kHz	34Hz – 27kHz	55Hz – 23kHz	Amplifier 200 RMS into 8 ohms
Sensitivity	89dB	89dB	90dB	35Hz – 180kHz (crossover)
Impedance	8 ohms	8 ohms	8 ohms	
Cabinet	Real wood veneered. 15mm MDF wrap Full circumferential brace. High power, back firing ,low turbulence bass-reflex port. 30mm front baffle.	Real wood veneered.15mm MDF wrap. Twin vented horizontal bracing. High power, back firing, low turbulence bass-reflex ports. 22mm front baffle.	Real wood veneered. 15mm MDF wrap. Dual chamber. High power, back firing, low turbulence bass reflex port. 22mm front baffle	Real wood veneered. 15mm MDF wrap. Full circumferential brace. High power, low turbulence ground firing bass reflex port. 30mm MDF front baffle
Remote Control				Infra-red, volume level and crossover frequency controls
Terminals	Gold-plated 4-way binding posts	Gold-plated 4-way binding posts	Gold-plated 4-way binding posts	Line level gold plated RCA phono jacks,8 way binding posts
Dimensions WxHxD	186 x 291 x 231 mm	230 x 920 x 297mm		
Weight (exc packaging)	6Kg each	18Kg each	8Kg	23Kg



For more information please contact:

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AELITE

Series



The Aelite Series from Acoustic Energy.
Designed in the UK by enthusiasts, for enthusiasts.



(((AE)))

ACOUSTIC ENERGY



Overview

The Aelite Series is Acoustic Energy's affordable high-end loudspeaker range.

Using unique, modern techniques in drive unit technology and cabinet enclosure construction, the Aelite Series is designed to produce the highest quality audio reproduction from any analogue or digital source, whilst easily integrating within today's lifestyle home environment.

Engineered by AE to give exceptional performance with music or film.

Technology

The Aelite Series offer some of the most cutting-edge developments currently available in loudspeaker technology:

Aluminium drivers -
Heat creates distortion in loudspeaker drivers - we dissipate as much heat as possible through our cone assembly meaning you can listen louder, for longer.

Curved cabinet construction -
Minimising harmful standing waves and vibration through the enclosure. This means lower colouration, more natural sound.



Acoustic Energy Ltd

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www.acoustic-energy.co.uk



The new Compact 1
For those who don't need to compensate...



88dB Sensitivity
100watt RMS Power Handling
55hz-30khz Frequency Response
2-way Pressure-loaded Port Design
Available in Vermont Walnut or Gloss Black (pictured)
22 x 15 x 20cm (HxWxD)
£149.95 Per Pair

— Border indicates actual speaker size —

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AEGIS^{155Ci}

CUSTOM INSTALL SERIES

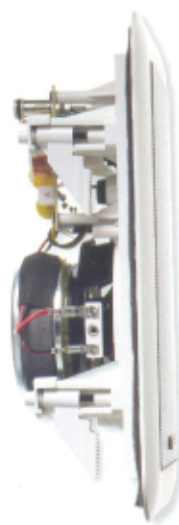


Acoustic Energy presents the AEGIS Custom Install Series. High performance mid-range In-wall and In-ceiling speakers.

Designed to provide true hi-fidelity sound, the AEGIS Series offers unequalled performance whilst remaining affordable, easy to use and install.

All AEGIS Ci Series speakers are pre-primed with a white ready-to-paint finish. Standard "dog leg" fixings and cut-out guides are also included.





Features

- Silk dome tweeter for smooth high frequencies
- Long-throw woofer for high power handling
- High quality crossover components
- Aluminium pressed cone for detail and clarity
- IR sensor fixing

Complete with manual, cut-out guide template, paint cover, grille and removable badge/logo.

Specifications

HF Unit - 25mm Neodymium Tweeter, ferrofluid cooled. Magnetically shielded

LF Unit - 110mm driver with 32mm long throw voice coil. Lightweight alloy cone

Power Handling - 100 Watts RMS

Frequency Response - 60Hz - 20kHz

Sensitivity - 86dB

Impedance - 8 Ohms

4mm Nickel-plated Spring lock terminals

Dimensions & Weight

190 x 260mm (WxH) Overall size

150 x 219mm Hole Cut-out (WxH)

80mm Clearance Depth

2.5kg Weight

AEGIS_{155Ci}

CUSTOM INSTALL SERIES

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AEGIS_{165Ci}

CUSTOM INSTALL SERIES



Acoustic Energy presents the AEGIS Custom Install Series. High performance mid-range In-wall and In-ceiling speakers.

Designed to provide true hi-fidelity sound, the AEGIS Series offers unequalled performance whilst remaining affordable, easy to use and install.

All AEGIS Ci Series speakers are pre-primed with a white ready-to-paint finish. Standard "dog leg" fixings and cut-out guides are also included.





Features

- Silk dome tweeter for smooth high frequencies
- Long-throw woofer for high power handling
- High quality crossover components
- Aluminium pressed cone for detail and clarity
- IR sensor fixing

Complete with manual, cut-out guide template, paint cover, grille and removable badge/logo.

Specifications

HF Unit - 25mm Neodymium Tweeter, ferrofluid cooled. Magnetically shielded

LF Unit - 130mm driver with 32mm long throw voice coil. Lightweight alloy cone

Power Handling - 120 Watts RMS

Frequency Response - 50Hz - 20kHz

Sensitivity - 86dB

Impedance - 8 Ohms

4mm Nickel-plated Spring lock terminals

Dimensions & Weight

235 x 305mm (WxH) Overall size

195 x 265mm Hole Cut-out (WxH)

105mm Clearance Depth

3kg Weight

AEGIS_{165Ci}
CUSTOM INSTALL SERIES

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AEGIS_{180Ci}
CUSTOM INSTALL SERIES



Acoustic Energy presents the AEGIS Custom Install Series. High performance mid-range In-wall and In-ceiling speakers.

Designed to provide true hi-fidelity sound, the AEGIS Series offers unequalled performance whilst remaining affordable, easy to use and install.

All AEGIS Ci Series speakers are pre-primed with a white ready-to-paint finish. Standard "dog leg" fixings and cut-out guides are also included.



Features

- Silk dome tweeter for smooth high frequencies
- Long-throw woofer for high power handling
- High quality crossover components
- Swivel tweeter mounting for optimum sound direction
- Aluminium pressed cone for detail and clarity

Complete with manual, cut-out guide template, paint cover, grille and removable badge/logo.

Specifications

HF Unit - 25mm Neodymium Tweeter, ferrofluid cooled. Magnetically shielded

LF Unit - 165mm driver with 35mm long throw voice coil. Lightweight alloy cone

Power Handling - 125 Watts RMS

Frequency Response - 50Hz - 20kHz

Sensitivity - 86dB

Impedance - 8 Ohms

4mm Nickel-plated Spring lock terminals

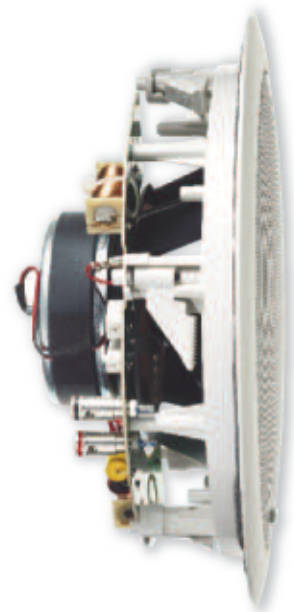
Dimensions & Weight

298mm Overall Diameter

255mm Hole Cut-out

145mm Clearance Depth

3kg Weight



AEGIS180ci
CUSTOM INSTALL SERIES

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Aego 140Ci
CUSTOM INSTALL SERIES



Acoustic Energy presents the AEGO Custom Install Series - A range of high performance, entry level In-wall and In-ceiling loudspeakers.

Designed to combine true high fidelity audio with ease of installation and unequalled value.

All AEGO Ci Series loudspeakers are pre-primed with a white ready-to-paint finish. Standard "dog leg" fixings and cut-out guides are also included.



Features

- Polypropylene Cone
- Easy-fix spring terminals
- Low profile

Complete with manual, cut out guide template, paint cover, grille, removable badge/logo etc.

Specifications

HF Unit - 19mm Neodymium Tweeter, ferrofluid cooled. Magnetically shielded

LF Unit - 125mm driver with 32mm long throw voice coil. Lightweight polypropylene cone

Power Handling - 75 Watts RMS

Frequency Response - 70Hz - 16kHz

Sensitivity - 86dB

Impedance - 8 Ohms

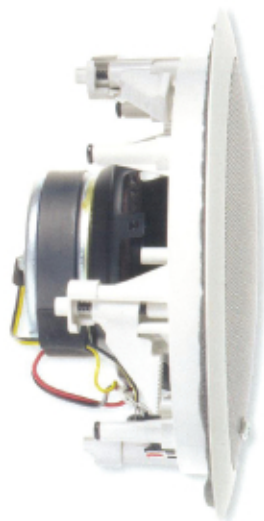
Dimensions & Weight

220mm Overall Diameter

185mm Diameter Hole Cut-out

100mm Clearance Depth

2kg Weight



Aego 140Ci
CUSTOM INSTALL SERIES

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EXTREME 5 EXTREME 8



AE's expertise in hi-fidelity loudspeaker design comes to the garden, pool, decking, house or gym with the all-new Extreme loudspeaker range.

The Extreme Series are fully water resistant loudspeakers capable of withstanding dust, dirt, humidity, severe temperature changes and extremes of weather.

The high quality industrial spec connectors (supplied) further improve durability and make the Extreme range ideal for use both outdoors and in challenging interior environments such as pubs, clubs, kitchens and bathrooms.





Specifications	Extreme 5	Extreme 8
Type	2-way, closed-box loaded	2-way, closed-box loaded.
LF/MF Driver	110mm pressed alloy cone	160mm pressed alloy cone.
HF Driver	25mm Dome	25mm Dome.
Filter Network	3rd order at 3.0kHz	3rd order 3.0kHz
Cabinet	Reinforced Structural Polymer	Reinforced Structural Polymer.
Frequency Response	70Hz to 18kHz ± 3 dB	55Hz to 18kHz ± 3 dB
Frequency Range	60Hz to 20kHz @ -6dB	45Hz to 20kHz @ -6dB
Power Handling	125W peak programme	150W peak programme
Amplifier Compatibility	25 - 125 Watts into 8 Ohms	25 - 150 Watts into 8 Ohms
Nominal Impedance:	8 Ohms	8 Ohms
Sensitivity	89dB for 1 Watt at 1 metre	90dB for 1 Watt at 1 metre
Enclosure Sealing Specification	IP54	IP54

Extreme Series speakers are fitted with 2-pole Neutrik Speakon connection sockets. An appropriate Speakon plug is included in each pack. Speakon sockets and plugs provide a reliable, secure, and potentially weather-proof connection.

Dimensions, Weight & Finish	Extreme 5	Extreme 8
Dimensions (H x W x D)	260 x 160 x 180mm	390 x 260 x 260mm
Weight (including bracket)	3.0kg (single, unpacked)	7.0kg (single, unpacked)
Finish	Black or white	Black or white

EXTREME 5 EXTREME 8

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PROFESSIONAL SERIES AE22

The art of designing a good nearfield monitor is to stay out of the way of the music. The monitor marks the point at which recorded music becomes real. It also often marks the point at which many musically significant distortions occur. Staying out of the way of the music means applying the best engineering practice to make sure, as far as the laws of physics allow, that any distortions are innocuous and that the music, not the monitor, is heard.

We never imagined we'd want to write this about an Acoustic Energy product but we'll have succeeded in our aims with the AE22 if it is taken for granted. Because the mark of a good nearfield monitor, apart from staying out of the way of the music, is that it sits there, session after session, consistently doing its job without anybody really noticing.

Innovation ■ Performance ■ Quality ■ Value

Hear Things As They Are Meant To Be

As much as the AE22 marks a return to roots for Acoustic Energy, it also marks a return to some fundamental engineering principles for nearfield monitors. In a market increasingly populated by monitors that deploy sophisticated digital electronics to provide peripheral functions, the AE22 deploys high value electronic and acoustic engineering to reproduce music more accurately and consistently in the studio environment. The AE22 is designed from the ground up to excel in the parameters that influence how accurately it presents what recording engineers need to hear, and how well it stays out of the way of the music.

Delay, Compression, Distortion

Nearfield monitor specifications are traditionally all about low frequency extension and a flat axial frequency response. The AE22 is different. It has a frequency response specifically tailored to suit studio environments, applications and working practices, and low frequency extension limited by what can be accurately reproduced by a speaker of its size. It is far better to reproduce bass accurately down to 70Hz than inaccurately down to 40Hz. A typical contemporary monitor of similar size to the AE22 is likely to display a low frequency time delay of 20ms or more. The AE22's low frequency time delay is 4ms. So if the kick drum sounds soft and the bass guitar's lost its punch you can trust the monitor.

Every recording engineer knows how compression can affect the sound of a mix or an instrument. Not many however perhaps realize that audible compression mechanisms are present in all moving-coil speakers. And the smaller the speaker and the wider its bandwidth, the more significant compression is likely to become. By using closed box bass loading and a bass/mid driver with a 50mm voice-coil thermally bonded to an aluminium cone, the AE22's thermal compression is reduced to insignificance, and it is immune from reflex port compression. So that eq you're applying will work whatever the listening level.

Like compression, there's a creative side to distortion - ask any guitarist. But creativity with distortion should be for the artist, not the monitor. And again, as with compression, as a speaker is required to reproduce a wider bandwidth its distortion levels will increase. Through heavy-weight engineering techniques usually unheard of at the price, such as an under-hung bass/mid driver voice-coil, the AE22 is designed to minimize distortion. So if you hear too much fuzz you can be sure it's thanks to the guitarist.

Passive, Active

The AE22 is available in both passive and active versions. The passive AE22 is designed for mounting on a metre-bridge or relatively close to a rear wall and driven by high quality power amplifiers of at least 50 Watts per Channel. The active AE22 incorporates power amplifiers of 100 Watts and 60 Watts for the bass/mid driver and tweeter respectively. It also includes some eq pre-sets to provide adjustment of tonal balance and low frequency bandwidth.



Specifications	AE22 Passive	AE22 Active
Type	2-way, closed-box loaded	2-way, closed-box loaded
LF/MF Driver	200mm pressed alloy cone Underhung, 50mm dia voice-coil	200mm pressed alloy cone Underhung, 50mm dia voice-coil
HF Driver	25mm Ring Radiator. Neodymium magnet	25mm Ring Radiator. Neodymium magnet
Filter Network	3rd order Bessel at 2.0kHz	3rd order Bessel at 2.0kHz
Frequency Response	60Hz to 40kHz ± 3 dB	60Hz to 40kHz ± 3 dB
Power Handling	200W peak programme	N/A
Nominal Impedance	8 Ohms	N/A
Sensitivity	87dB for 1 Watt at 1 metre	N/A
Input Sensitivity	N/A	0.9V ± 3 dB
Input Impedance	N/A	>10k Ω
LF Amplifier	N/A	100 Watts RMS
HF Amplifier	N/A	60 Watts RMS
LF Adjustment	N/A	+3dB @ 40Hz Q = 1, -3dB @ 70Hz Q = 1,
MF Adjustment	N/A	± 2 dB @ 400Hz Q = 0.5
HF Adjustment	N/A	± 1.5 dB 2kHz to 40kHz

Dimensions & Weight	AE22 Passive	AE22 Active
Dimensions(H x W x D)	250 x 350 x 300mm	250 x 350 x 330mm
Weight (single, unpacked)	1.0kg	1.5kg

PROFESSIONAL series AE22

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