

HydraII



STANDBY

beautifully engineered sound



LEEMA ACOUSTICS



A photograph of a modern living room. In the foreground, a dark purple sofa with yellow patterned cushions is visible. In the background, a yellow electric guitar is leaning against a white desk or table. A black speaker is positioned on the left side of the frame. The room has large windows and a brick wall.

beautifully engineered sound

Leema Acoustics' founders, both ex-BBC engineers, have a fanatical interest in audio reproduction. Mallory Nicholls manufactured the World's leading 5.1 monitoring system for recording studios and mastering houses under the Magtrax brand; whilst the BAFTA and Prix Italia award-winning Lee Taylor, has over 40 years experience in recording and mixing for the theatre, film, television and music industries.

Leema Acoustics was founded in 1998 as a vehicle for Mallory and Lee to redefine miniature loudspeaker design. Their research focused on new design principles and real time software modelling. The result, released some four years later, was a micro monitor of unsurpassed technical and musical excellence called 'Xen'.

In 2005, Mallory and Lee turned their attention to audio electronics. Their first product, the Tucana integrated amplifier, was released early in 2006, winning the distinguished Hi-Fi News amplifier of the year award later that year. Shortly afterwards, the Antila CD player was introduced and once again, almost immediately won the prestigious What Hi-Fi? Sound & Vision best CD player award, 2007.

Since then, Leema's expanding portfolio of class leading products has attracted international acclaim, attracting many "best in class" reviews and numerous eminent awards.

Where possible, Leema source all major components from within the EU. All electronic products are designed and manufactured in Wales, Great Britain.





LIPS®

A common issue with modern audio components is their increasing complexity, particularly in home cinema installations. This has made everyday operation almost unapproachable for many owners who are left struggling with enormous remote handsets, studded with dozens of buttons with unfathomable functions. It was listening to this complaint that led Leema's founders, Mallory Nicholls and Lee Taylor, to develop LIPS®: [Leema Intelligent Protocol System](#). LIPS® is a sophisticated system of control and communication, which is a standard feature in the majority of Leema components. A small cable, which is provided with each product, allows the individual units to be connected and controlled as one.

When connected via LIPS®, a Leema system becomes intelligent, flexible and so easy to use that in many cases, the whole system can be controlled from just one component. For instance, an audiophile quality Constellation series home cinema system could be controlled via a Leema CD player, while the amplification units could be sited remotely in a suitably ventilated cupboard. The system intelligently controls the individual units. An additional benefit is that the remote control only requires a small number of buttons with only functions that are really needed.

The unique and expandable Constellation multi-channel system uses LIPS® to great effect. The Antila CD player is able to act as a LIPS® master and can talk to other components via LIPS®. It can intelligently configure them into a multi-unit home cinema system of uncompromised audio quality. The Hydra II amplifier has exactly the same audio circuit topology as the Tucana II and when configured via LIPS® to drive the surround channels in a 5.1 home cinema system, the input selection and volume control automatically synchronise across the units, producing a multi-channel system without compromise.

The Corvus features both a mono amplifier for the centre channel and a studio quality subwoofer control processor, giving comprehensive control of mono or, uniquely, stereo subwoofers, for both multi-channel and stereo systems. Like the Hydra, the Corvus takes its commands from the LIPS® master. This offers the same audiophile fidelity with multi-channel sources as is available with stereo.

The beauty of LIPS® is that the audio components 'understand' what the user is trying to do. For example, to play a CD in stereo, the Tucana 'knows' that it is required, whereas the Hydra and the Corvus remain powered off. Then, to watch a movie, the appropriate units power up and configure themselves automatically when a multi-channel input is selected. The individual units learn the desired settings for each source and configure themselves as required.

The reference standard Pyxis pre-amplifier and Altair IV mono-block amplifiers also feature LIPS2® in addition to LIPS®. LIPS2® is a development of LIPS®, adding further performance and extending the cable range to approx 1 km. When Altair IV power amplifiers are connected via LIPS2®, the Pyxis can send a full volume audio signal through the interconnecting cable. The actual listening level is then adjusted at the input stage of the power amplifiers via LIPS®. This ensures that the signal-to-noise ratio is always at its best and cable related losses are kept to an absolute minimum.

The LIPS® system eliminates the need to search through menus and change settings. It was conceived with ease of operation in mind. In addition, LIPS® can be interfaced to any of the leading home automation systems, such as Crestron™ or Pro control™, via a Leema RS232 interface unit. A complete Leema system may then be controlled by just one automation port.

Antila

PLAY/PAUSE

NEXT >

< PREVIOUS

SEARCH >>

<< SEARCH

DISPLAY

STOP

STANDBY

81:5

COMPACT DISC PLAYER

Antila IIS ECO

cd player



In this latest development of the multi-award winning Antila, the Antila IIS eco CD player introduces many unique technical and ergonomic innovations to combine state-of-the-art performance with surprising ease of use.

Leema's latest "Quattro Infinity Multi-DAC" employs multiple 24 bit/192 kHz multi-bit delta-sigma data converters, specifically selected for their audio quality. These are driven from a fully balanced digital data stream. The result is significantly reduced levels of noise, distortion and crosstalk, thereby producing a breathtakingly real musical performance and a tactile panoramic image.

The drive mechanism with custom servo, features a high quality metal tray and Leema's own control software. State-of-the-art jitter levels, of around 40 pS @ 1 kHz are achieved, significantly improving low level resolution. The Antila IIS eco provides even higher levels of performance to maintain its position at the forefront of high-quality CD playback.

The Antila IIS eco is a fully LIPS® compliant master or slave, allowing it to integrate with other Leema components and home automation systems. Used in a totally purist system with the Hydra II power amplifier, the Antila IIS eco can even control the amplifier's volume and input selection via LIPS® commands. Volume level and input selection are displayed on the Antila IIS eco's LCD display.

Finally, as with other Leema components, the new Antila IIS eco offers an environmentally friendly low power standby mode.



specifications

Drive	Jitter optimised tray loader with custom servo
Digital to analogue conversion	Leema Quattro Infinity Multi-DAC
Analogue output level	0 dBFS(0 dB Full Scale) Unbalanced 2.3 V RMS
Digital outputs	SPDIF Toslink optical, SPDIF RCA phono co-axial
Frequency response	10 Hz - 20 kHz +0.0 / -0.6 dB
Output Noise	Less than -108 dBm below 0 dBFS
Distortion @ 1 kHz 0 dBFS	< 0.002%
Crosstalk (10 Hz - 20 kHz)	Better than -90 dB
Power supply	Nine fully regulated power rails
Size (h)x(w)x(d) in mm	110 x 440 x 310
Weight	12 kg



INPUT 1

INPUT 2

INPUT 3

HIGH CUT

LOW CUT

MONO

MUTE

Agena

STANDBY

SLEEP LOCK

LOW FREQUENCY REFERENCE PHONO STAGE

Agena

phono stage



Agena is truly a state-of-the-art phono stage. Any magnetic phono cartridge can be precisely matched to the Agena's input circuitry, ensuring the maximum retrieval of detail and depth. Music is presented with fluidity and transfixing reality.

The multiple inputs are fully adjustable in real-time. Each input has two separate head-shell/arm settings to allow precise matching for up to six phono cartridges, each being selectable at the touch of a button.

In addition to the single-ended RCA (cinch) and fully balanced XLR analogue outputs, a reference quality analogue to digital converter feeds a USB output, allowing broadcast quality archiving to computer hard-drives or other digital media.

Real time record monitoring is possible from the USB-connected computer via dedicated RCA (cinch) analogue and SPDIF digital outputs.

Agena features a unique 'Sleep Mode' which, when selected, enables the unit to switch off its control circuitry, LEDs and display automatically when not required. In this mode, Agena becomes a purely analogue component, with no interference from microprocessors etc. In this way, the analogue signal path is optimised for the very highest performance and signal fidelity.

User features include mono, mute and high and low frequency filters.



specifications

Input Resistance	MM: 47 k Ω & 100 k Ω MC: 20, 50, 100, 500 Ω - 1 k Ω
Input Capacitance	MM: 100 pF MC: 100, 250, 430, 580, 1100, 1250, 1430, 1580 pF
Input Sensitivity	MM: 1.6, 2, 4 mV MC: 135, 145, 177, 200, 320, 400, 800 μ V, (optional 50 μ V(1 Ω load))
Noise	MM: 0.34 μ V-A weighted MC: 0.05 μ V-A weighted @ max gain
RIAA error	10 Hz - 100 kHz - 1dB
Filters	15 Hz / 15 kHz
Size (h)x(w)x(d) in mm	110 x 440 x 320
Weight	11 kg



Pyxis

pre amplifier



The Pyxis pre-amplifier is designed to offer absolute transparency with superior resolution and musicality. The Pyxis is without doubt the state-of-the-art performer. A generous range of features ensures that the Pyxis offers complete satisfaction.

Features include both single-ended and balanced analogue inputs and outputs, tone controls, USB digital connectivity for use with computers, on-board 24 bit/96 kHz DAC for digital sources, high-performance headphone amplifier and an optional built-in, high quality MM/MC phono-stage.

Pyxis' analogue signal path is fully balanced throughout. In many ways it is actually two complete pre-amplifiers - one for each signal phase.

Pyxis features Leema's proprietary LIPS® control interface. LIPS® type 1 & 2 are both included, allowing Pyxis to integrate with home automation systems and other Leema components. Using LIPS® it is possible to feed any Leema power amplifier with a constant high-level audio signal and control the volume at the input stage of the power amplifier. This is achieved by using 'fly-by-wire' control data from the Pyxis which ensures maximum signal-to-noise ratio and resolution of the audio signal, by running the audio interconnect cables at an unattenuated high-level.



specifications

Frequency Response

Line inputs	20 Hz - 20 kHz +0.0 / - 0.2 dB
Phono option	20 Hz - 20 kHz +/- 0.5 dB ref RIAA
Residual noise	
Line inputs	better than -104 dBA
Phono	MM: better than -85 dBA MC: better than -75 dBA

Signal to noise

Line inputs	better than 126 dBA
Input gain adjustment range	+/- 10 dB

Distortion

Line inputs	0.005% @ 1 kHz
Phono option	0.05% @ 1 kHz

Size (h)x(w)x(d) in mm

| 110 x 440 x 330

Weight

| 11 kg



LISTEN RECORD

PHONO

CD

TUNER

AUX/MP3

SPDIF

USB

TAPE

Pyxis

STANDBY

LEEMA ACOUSTICS

EQ INERT MONO A/DIRECT

FULLY BALANCED REFERENCE PRE-AMPLIFIER



Hydra II

STANDBY

LEEMA ACOUSTICS

Altair IV

mono amplifier

Hydra II

amplifier



The reference standard Altair IV mono-block power amplifier was designed to establish a new audio benchmark regardless of cost. With the ability to produce peaks of over 3.5 kilowatts and 45 Amps, Altair IV will redefine the performance of any loudspeaker to which it is connected.

Far from being just a power-house, Altair IV is a technological tour-de-force, establishing hitherto unknown standards of detail, dynamic linearity and agility, leading to a staggeringly real musical performance.

The Leema Hydra II is an intelligent, bridgeable stereo amplifier incorporating many developments pioneered in the Leema reference mono-block, Altair IV. The Hydra II is notably more flexible than its predecessor. This technological chameleon is able to act in a multitude of roles, always creating a life-like sound stage while maintaining the presence, texture and timbre of the original performance.

Exceptional dynamic range, resolution of fine detail and remarkable clarity, allow the Hydra II to deliver music with captivating energy, even when driving the most demanding of modern audiophile loudspeakers. This exceptional design uses two massive toroidal power transformers: one for each channel, together with a separate transformer for the control circuitry. The highly refined output stage features a very low output impedance. This, coupled with a high current capability, ensures vice-like grip and precise control of the loudspeakers, even at very high levels.



Power output into 8 Ω	550 W RMS
Power output into 4 Ω	1,000 W RMS
Power output into 2 Ω	1,800 W RMS
Distortion @ 200 W into 4 Ω	0.004%
Noise (A weighted, min volume)	-96 dBm
Signal-to-noise ratio	135 dB
Peak output current	+/- 45 A into 2 Ω
Damping factor	250
Size (h)x(w)x(d) in mm	390 x 440 x 335
Weight	45 kg



Frequency Response +/- 3 dB	5 Hz - 80 kHz
Output Power into 8 Ω (stereo)	148 W RMS per channel
Output Power into 2 Ω (stereo)	340 W RMS per channel
Output Power into 4 Ω (mono)	785 W RMS
Min load impedance (stereo)	2 Ω
Min load impedance (mono)	4 Ω
Noise (A weighted, min volume)	-100 dBm
Sensitivity for maximum output	311 mV RMS
Output impedance	0.04 Ω
Damping factor (8 Ω)	200
Size (h)x(w)x(d) in mm	110 x 440 x 320
Weight	18 kg

specifications



100040280103 WELLSLAW CD PLAYER

01:01.00
01:01.00

- PLAY/PAUSE
- NEXT >
- < PREVIOUS
- SEARCH >>
- << SEARCH
- DISPLAY
- STOP

Antila

STANDBY

- BALANCED
- CD
- TUNER
- AUX
- MULTI 1
- MULTI 2 / MP3
- FM CORRECT

Tucana II

Tucana II

integrated amplifier



Launched in 2006, the Tucana, Leema's first audio component, soon established itself as a genuine reference amplifier, winning many prestigious awards.

Now the Tucana II extends both the performance and features of the original, to set a new global standard for integrated amplifiers.

Sharing DNA with its staggering sibling, the reference standard Altair IV, the Tucana II is an even more accomplished performer than its multi-award winning predecessor.

Improved dynamic drive, resolution of fine detail and remarkable clarity help the Tucana II present music with life-like swing and verve, comfortably driving even the most fussy of today's audiophile speakers.

The technically groundbreaking dual-mono design uses three heavy-duty toroidal power transformers, one for each channel and one for the control circuitry. This, coupled with a robust and highly-refined multi-bipolar output stage, ensures that Tucana II delivers vice-like grip and precise loudspeaker control.

Tucana II features an MP3 front-panel input, fixed gain input for AV connection, balanced XLR inputs as standard and a dedicated headphone output.

The user interface offers balance control and individually adjustable input gains, both of which were originally developed for the reference standard Pyxis pre-amplifier.

Tucana II can also operate as a LIPPS® system master or slave and is able to talk to other Leema components. This enables the Tucana II to automatically and intelligently configure other devices in a multi-unit home cinema system of uncompromised audiophile quality.



Frequency Response	5 Hz - 80 kHz +/- 3 dB @ 1 W
Output Power into 8 Ω	148 W RMS per channel
Output Power into 4 Ω	285 W RMS per channel
Minimum load impedance	2 Ω
Output Current	Greater than +/- 50 A
Noise (A weighted, min volume)	-100 dBm
Signal to Noise ratio (A weighted, 285 W RMS, 4 Ω)	-104 dB
T.H.D. (10 W RMS, 4 Ω , 1 kHz)	0.004%
T.H.D. (Max output before clipping, 4 Ω , 1 kHz)	0.004%
Maximum DC offset	+/- 15 mV
Sensitivity for max output (CD input)	565 mV RMS
Sensitivity for maximum outputs (other inputs)	311 mV RMS
Output Impedance	0.057 Ω
Damping Factor (8 Ω)	140
Size (h)x(w)x(d) in mm	110 x 440 x 320
Weight	22 kg

specifications

PHONES

MP3



HEAT PROTECT

IR

LEEMA ACOUSTICS

GAIN

BAL

MUTE

TAPE

LEEMA ACOUSTICS

Hydra II



VOLUME

LEEMA ACOUSTICS

Gamma



Corvus

mono amplifier and subwoofer controller



The Corvus is essentially two products in one chassis; an intelligent mono slave amplifier and a studio-quality stereo subwoofer controller.

The amplifier section of the Corvus is effectively one half of a Tucana and is therefore perfect for driving the centre channel in a surround system of uncompromised audiophile quality.

This groundbreaking mono design uses three heavy-duty toroidal power transformers, one for the power amplifier, one for the sub controller, and one for the central processing unit (CPU). This, coupled with a refined multi-bipolar output stage which can swing over fifty amps of current, ensures a vice-like grip and precise control over the most esoteric centre channel loudspeakers.

The other side of the Corvus is a comprehensive, studio quality, subwoofer control system. This section offers bass management, where the low frequency content of the centre, front and rear channels are fed to the subwoofer controller, together with the normal LFE channel where present. Level trim, filter frequency and phase are fully adjustable for mono, or uniquely, stereo subwoofers. The bass management system may be used in both multi-channel and stereo systems.

Once set up, the Corvus takes its commands from the system master via LIPS®. The input selection and volume controls automatically track that of the master with system level indicated by the sophisticated volume LED ring display.



Frequency Response +/- 3 dB		5 Hz - 80 kHz
Output Power into 8 Ω		148 W RMS
Output Power into 4 Ω		285 W RMS
Minimum load impedance		2 Ω
Output Current		Greater than +/- 50 A
Noise (A weighted, min volume)		-100 dBm
Maximum DC offset		+/- 15 mV
Sensitivity for max output (CD input)		565 mV RMS
Output Impedance		0.057 Ω
Size (h)x(w)x(d) in mm		110 x 440 x 320
Weight		16 kg

specifications

ELEMENTS COMPACT DISC PLAYER

Track : 012 00:01
PLAY CD-DA

REPEAT/PS

STOP/EJECT

PLAY/PAUSE

POWER

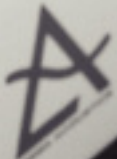
PREV
<< SEARCH — HOLD — SEARCH >>
NEXT



ELEMENTS INTEGRATED AMPLIFIER

XU: 065 BALANCED
■■■■

VOLUME & INPUT



POWER

INPUT

Elements

compact disc player
integrated amplifier



Svelte but reassuringly solid, the Elements family of products provide an unbeatable combination of outstanding sound quality, superb build, styling and ergonomics. Sharing many technical innovations with the Constellation series and introducing a few of their own, the Elements family of products re-defines what is achievable in a half width format, with stunning performance, classic Leema good looks, intelligent ergonomics and a vast array of must-have features

The Elements CD player features an all new, audio only, tray loading transport from TEAC, providing secure and reliable disc handling with excellent retrieval of the digital information encoded on to the disc. Buffering of the audio data ensures supreme mechanical isolation. The new Leema Quattro Infinity DAC is a further refinement of Leema's own highly successful Multi-DAC technology, using Crystal CS4344 converters, as used in the multi award winning Antila. Twin XLR and phono outputs for easy bi-amping are a unique feature.

Few products are as accomplished as the Elements integrated amplifier. That such competence is contained within such a petite chassis is truly unique. Featuring a balanced input via XLR connectors, plus a further three stereo inputs via RCA phono (Cinch) connectors and a mini jack input on the front panel, the Elements integrated is well equipped to accommodate all of your analogue sources. The addition of Leema's optional digital input board dramatically expands its capabilities. Three optical inputs, a co-axial input and a USB interface allow trouble free connection to any digital source. Leema's award winning performance can now enhance a whole range of digital sources such as satellite receivers, Sonos™ music systems, Sony PS3™ and DVD players. The USB digital interface is fully asynchronous meaning that the amplifier regulates the rate of data transfer from any connected computer dramatically reducing jitter and ensuring the very highest quality audio replay, even with today's very high data rate audiophile music files, up to and including 24 bit 192 kHz.

Additional features include full remote control, an integral high quality class A headphone amplifier and for total peace of mind, full short circuit, thermal and fault protection.



Frequency Response +/- 3 dB	20 Hz - 20 kHz
Signal to noise ratio	-105 dB (A weighted)
IM Distortion 19+20 kHz	0.001%
Distortion	20 Hz 0.005% : 1 kHz 0.001% : 20 kHz 0.001%
Crosstalk @	1 kHz -118 dB : 10 kHz -100 dB
Output Level	2.3VRMS for OdBFS
Jitter 1KHz	< 50pS
Jitter total correlated	< 150pS
DACs	24bit/192kHz Quattro Infinity with multiple CS4344 converters and Wolfson WM8805 low jitter receiver.
Size (h)x(w)x(d) in mm	88 x 220 x 320
Weight	4.5 kg



Output Power into 8 Ω	55 W RMS per channel
Output Power into 4 Ω	110 W RMS per channel
Output Power into 2 Ω	160 W RMS per channel
Minimum load impedance	4 Ω nominal
Output Current	greater than +/- 12 Amps
Frequency Response +0/-3 dB	5 Hz - 80 kHz
Noise (A weighted, min volume)	-105 dBm
Signal to Noise ratio (A weighted, ref: 150 W RMS, 4 Ω)	-110 dB
T.H.D. (10 W RMS, 8 Ω , 1 kHz)	0.015% (measured AES17)
DAC	24bit/192kHz CS4344 single converter and Wolfson WM8805 low jitter receiver. Leema USB-M1 24/192 Module
Size (h)x(w)x(d) in mm	88 x 220 x 340
Weight	9 kg

specifications

ELEMENTS PRECISION 24/192 DAC

VOLUME & INPUT

XU:065 OPTICAL 1
44.1kHz PCM



MENU



MUTE

Elements

DAC



Digital audio, from disc, computer or streamer, is an accepted part of today's audiophile world. However, there are few, if any, affordable products which fully exploit the potential of modern high resolution audio formats. Leema's Elements DAC re-defines what is possible, establishing a new benchmark and transforming digital and computer based audio in to captivating and enthralling sound. Incorporating technologies only seen in ultra high end brands, Leema's Elements DAC seamlessly blends stunning audiophile reproduction with the convenience of computer based audio.

Three optical inputs and three co-axial inputs ensure all of your digital sources such as satellite receivers, Sonos™ music systems, Sony PS3™ and DVD players can easily be accommodated. A single analogue input provides dedicated connectivity for conventional audio components. In addition, the Elements DAC USB interface will make the very best of your computer based music collection. Proprietary technologies allow asynchronous data transfer mode to be initiated between the Elements DAC and computer, with fully automated sample frequency selection.

Communication between a computer and USB DAC conventionally uses "synchronous" mode, forcing the DAC to slavishly follow the computer's unpredictable and mistimed digital audio signal. This causes the DAC to randomly speed up or slow down, leading to excessive jitter and its associated and undesirable distortion artefacts. Leema's Elements DAC invokes the far more elegant "asynchronous" mode in which the DAC becomes the master, sending sophisticated control signals to the computer which precisely regulates the transmitted digital audio stream. This allows the high precision clock circuitry on board the DAC to control the transfer process, reducing jitter and any associated distortion or temporal effects to astonishingly low levels, close to the theoretical technical limits achievable.

The Elements DAC can be used as a conventional audio source without a volume control or set to pre-amplifier mode, which enables the front panel volume control for use with a power amplifier. The inclusion of balanced outputs via XLR connectors, a front panel mini jack input for analogue portable audio devices, full remote control and a dedicated class A headphone amplifier completes the picture.

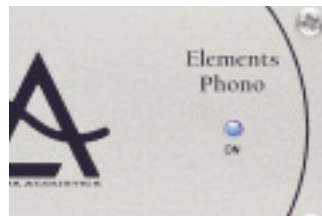


specifications

Frequency response, 20Hz to 20kHz	+/- 0.25dB.
Distortion @ 1kHz	better than 0.001%
Crosstalk @ 20kHz	better than -95dB.
THD @ 0dBFs	better than 0.005%
Jitter @ 1kHz	less than 50ps.
Output levels in fixed gain mode 0dB @ 1kHz	unbalanced = 2.1v rms balanced = 4.2v rms
DAC	Quattro 24bit/192kHz with multiple CS 4351 converters and Wolfson WM8805 low jitter receiver. Leema USB-M1 24/192 Module
Size (h)x(w)x(d) in mm	88 x 220 x 340
Weight	5.5 kg

Elements Phono

phono stage



The circuitry inside the award-winning Elements Phono is closely based on that of the class leading Agena reference standard phono stage. Its performance is simply astonishing at this price point; it was designed not just to compete favourably with its competitors, but to completely overshadow them, even those at 3 or 4 times the price.

The subtle musical information from the phono cartridge is handled with such delicacy that many listeners will never have experienced the levels of clarity, dynamic accuracy, soundstage dimensionality and authenticity of tone and timbre that is produced - at any price.

The Elements Phono is switchable for use with both moving coil and moving magnet cartridges and includes a switchable low frequency filter. The low frequency filter only operates below 20 Hz to stop the by-product of warped records and turntable motor or bearing noise.

Finally, the input stage features a protection relay which shorts the inputs during power up and down, in order to prevent DC surges from magnetising or damaging the cartridge.



specifications



Moving magnet gain	36 dB
Moving coil gain	62 dB
Frequency Response	> RIAA curve 20 Hz to 20 kHz
+/- 0.5 dB ref	
Distortion	Less than 0.02% @ 1 kHz
Residual noise (MM)	Better than -86 dBA input short circuit
Residual noise (MC)	Better than -75 dBA input short circuit
Load characteristics (MM)	47 k Ω , 100 pF
Load characteristics (MC)	90 Ω , 1 nF
Input sensitivity (MM)	4 mV RMS for 250 mV RMS output
Input sensitivity (MC)	180 μ V RMS for 250 mV RMS output
Headroom	Greater than +26 dB @ 1 kHz
High pass filter	-3 dB @ 20 Hz
Size (h)x(w)x(d) in mm	48 x 110 x 100
Weight	100 g

coming soon
Essentials series

Asynchronous high speed USB DAC
Optical and Co-Axial High Speed DAC
Headphone Amplifier
Phono Stage
Passive Pre-Amplifier
De-Jitter interface
Micro Amplifier ...and more...

Award winning acoustics



Agena

Hi-Fi World: 5 globe, December 2009

Pyxis

Hi-Fi News: Highly Commended, April 2009
Hi-Fi News: Highly Commended, 2009 Yearbook
Hi-Fi News: Outstanding Product, October 2010
Hi-Fi News: Outstanding Product, 2010 Yearbook

Altair IV

Hi-Fi News: Highly Commended, April 2009
Hi-Fi News: Highly Commended, 2009 Yearbook

Tucana

Hi-Fi News: Integrated Amplifier of the Year 2006
Hi-Fi World: 5 globe, May 2007
What Hi-Fi? Sound & Vision: 5 stars, August 2007
What Hi-Fi? Sound & Vision: 5 stars, January 2008
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, September 2008
Revue Du Son: 4 stars, 2008
AVReview: Winner, 2008
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, February 2009

Tucana II

Hi-Fi Choice: Editor's Choice, September 2009
What Hi-Fi? Sound & Vision: Best Stereo Amplifier £1500+, 2009 Awards
Hi-Fi World: 5 globe, November 2009
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, September 2010
What Hi-Fi? Sound & Vision: Best Stereo Amplifier £2000+, 2010 Awards
What Hi-Fi? Sound & Vision: Best Buy, August 2011
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, September 2011

Hydra II

Hi-Fi News: Outstanding Product, October 2010
Hi-Fi News: Outstanding Product, 2010 Yearbook



Antila

Hi-Fi World: 5 globes, July 2007
What Hi-Fi? Sound & Vision: Best CD Player £1500+, 2007 Awards
What Hi-Fi? Sound & Vision: 5 stars, October 2007
Haute Fidelite: Meilleur achat, 2008
SAVA Award 2007/2008
Hi-Fi World: CD Player of the Year, 2007 Awards

Antila II

Hi-Fi Choice: Editor's Choice, September 2009
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, September 2009
Hi-Fi Choice: Finalist: Product of the Year, 2009 Awards
Hi-Fi Choice: Winner: CD Player over £1,000, 2009 Awards
What Hi-Fi? Sound & Vision: 5 stars, December 2009

Antila IIS

What Hi-Fi? Sound & Vision: 5 stars, December 2010

Antila IIS ECO

What Hi-Fi? Sound & Vision: Best Buy, August 2011
What Hi-Fi? Sound & Vision: 5 stars, July 2011
Hi-Fi World: 5 globe, July 2011

Pulse

What Hi-Fi? Sound & Vision: 5 stars, August 2008
Hi-Fi Choice: Bronze: Best Stereo Amplifier £1,000 - £2,000, 2008 Awards
Hi-Fi Test: Best of 2008
Hi-Fi World: Integrated Amplifier of the Year 2008
What Hi-Fi? Sound & Vision Ultimate Guide: 5 stars, February 2009
Hi-Fi World: 5 globes, group test winner, October 2009
Hi-Fi Choice: Best Buy, December 2009

Pulse III

Hi-Fi Choice: Recommended, November 2010

Stream

Hi-Fi Choice: Best Buy: 5 stars, May 2008
Hi-Fi Choice: Bronze: Best CD player 1,000 - £2,000, 2008 Awards
Hi-Fi Test: Best of 2008

Stream II

Hi-Fi News: Highly Commended, January 2009

Stream III

Hi-Fi Choice: Recommended, October 2010

Elements Phono

Hi-Fi News: Highly Commended, January 2010
What Hi-Fi? Sound & Vision: 5 stars, March 2010
What Hi-Fi? Sound & Vision: Best Phono Stage, 2010 Awards
What Hi-Fi? Sound & Vision: Best Phono Stage, 2011 Awards

www.leema-acoustics.com

telephone. 01938 559021

While every endeavour has been made to ensure all information is correct, we are constantly seeking ways to improve the performance and sound quality of our products and therefore we reserve the right to change product specifications as necessary.

brochure photography, adrian lyon
brochure design, the owen agency

