

Elements integrated amplifier



The Leema Elements Integrated Amplifier continues Leema's strong tradition of producing some of the best amplifiers that money can buy. Not only does the Elements Integrated Amplifier include the most comprehensive set of inputs and facilities of any Leema product to date, it manages to fit all this into a compact and beautiful enclosure built to the same exacting standards as the larger Leema amplifiers.

The amplifier itself is a further development of its award-winning predecessors the Tucana and Pulse. Delivering a very healthy 60 Watts into 8 ohms and 90 Watts into 4 ohms, the Elements Integrated Amplifier will get the best out of almost any speaker attached to it.

The on-board digital to analogue converter is one of the most sophisticated available. Four 24 bit / 192 kHz SPDIF inputs and a 24 bit / 192 kHz asynchronous and adaptive USB input make the Elements Integrated Amplifier the perfect one-box solution, allowing all digital sources to perform with astonishing results.

Full LIPS® implementation allows for easy system integration with other Leema products and home automation systems.

The Elements Integrated Amplifier also features an on-board headphone amplifier, mute button and infra-red remote control.

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| Power output into 8 Ω | 2 x 60 W RMS |
| Power output into 4 Ω | 2 x 90 W RMS |
| Analogue inputs | 3 x unbalanced RCA 1 x balanced XLR 1 x 3.5 mm mini jack on front panel |
| Digital inputs | 3 x SPDIF optical 24 bit /192 kHz 1 x SPDIF co-axial RCA 24 bit /192 kHz 1 x USB Asynchronous / Adaptive 24 bit / 192 kHz |
| Dimensions (W x H x D) | 217 x 90 x 375 mm |
| Made in the UK | |
| 5 year warranty | |

specifications



LEEMA ACOUSTICS

www.leema-acoustics.com

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.



Elements DAC



The Leema Elements DAC is the first stand-alone Leema DAC and as such establishes the Leema benchmark for digital-to-analogue conversion, in performance as well as features.

Quattro Infinity DAC topology, first seen in the range-topping Antila IIS Eco CD player, has been further developed and improved to ensure that the Elements DAC has outstanding technical performance. All inputs, including the USB input, offer full 24 bit / 192 kHz capability. The latest asynchronous and multi-frequency adaptive modes ensure perfect synchronisation with the source for almost invisible levels of jitter, to ensure the highest possible quality of digital replay.

The inclusion of an analogue volume control allows the Elements DAC to be used as a very high quality pre-amplifier. The digital volume control fitted to some DACs actually works by reducing resolution at the same time as attenuating the signal, making them a poor choice for high resolution audio. In addition to the analogue volume control, the Elements DAC features infra-red remote control, a mute button and an on-board headphone amplifier so it can operate perfectly as both a DAC and a high quality pre-amplifier.

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| Digital to analogue conversion | Leema Quattro Infinity DAC |
| Digital inputs | 3 x SPDIF optical 24 bit / 192 kHz 3 x SPDIF co-axial RCA 24 bit / 192 kHz 1 x USB Asynchronous / Adaptive 24 bit / 192 kHz |
| Analogue input | 1 x unbalanced RCA |
| Jitter | Ultra-low, typically less than 50 pS |
| Analogue outputs | 1 x balanced XLR 1 x unbalanced RCA |
| Dimensions (W x H x D) | 217 x 90 x 375 mm |
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The Leema Elements requires a software driver for use with a Windows operating system.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

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Elements

CD player



The Leema Elements CD player continues the Leema tradition of groundbreaking design, facilities and performance by incorporating many unique Leema innovations and the very best parts and processes available.

The TEAC dedicated audio transport produces extremely low levels of jitter, typically around 50 pS @ 1 kHz. This provides an excellent digital data stream, which is then balanced to feed the converters. Leema's latest Quattro Infinity Multi-DAC uses multiple 24 bit / 192 kHz multi-bit delta sigma data converters, specifically selected for their outstanding audio performance. The resulting audio output possesses vanishingly low levels of noise, distortion and crosstalk, to produce a musically compelling and breathtakingly real performance.

Dual analogue outputs are provided for both balanced and unbalanced connection. This allows the connection of two stereo Leema power amplifiers which when controlled by LIPS® produces a totally purist bi-amplified hi-fi system of astonishing quality and unbelievably elegant simplicity.

Ease of use by infra-red remote control and full LIPS® master and slave implementation allows for easy system integration with other Leema products and home automation systems.

specifications

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| Drive | Dedicated high quality audio-optimised TEAC CD drive |
| Digital to analogue conversion | Leema Quattro Infinity DAC |
| Digital outputs | SPDIF Toslink optical SPDIF RCA phono co-axial |
| Jitter | Ultra-low, typically less than 50 pS |
| Analogue outputs | 2 x balanced XLR 2 x unbalanced RCA |
| Dimensions (W x H x D) | 217 x 90 x 375 mm |
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Elements streamer



The Leema Elements Streamer introduces the latest music replay technology to Leema's award-winning product range. Music lovers are increasingly moving away from physical media such as CD and LP and embracing centralised music storage for its convenience, ease of access, and with the advent of high-resolution 24/96 and 24/192 audio formats, superior audio quality.

Sadly for the audiophile, computer accessory manufacturers have provided the majority of hardware available until now with the emphasis on price rather than audio quality. The Elements Streamer combines ease of use and flexibility with Leema's legendary build quality and incorporates Leema's Quattro Infinity DAC providing outstanding audio performance.

The Elements Streamer automatically detects any UPnP or DNLA compatible computer, server or NAS drive connected to the network and presents the music files and cover art on an attractive and easily navigable colour display. Additionally, direct access is provided to vTuner's premium internet radio service which offers over 25,000 streamed radio stations categorised by genre and country.

Apple ID certification allows USB connection and control of Apple devices such as the iPhone, iPod and iPad. Full infra-red remote control is included and iPhone or Android phone control is possible using apps such as UPnP Player or Plug Player, making the Leema Elements Streamer a complete joy to use.

Full LIPS® implementation allows for easy system integration with other Leema products and home automation systems.

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| UPnP Media Player | Auto discover and play from UPnP servers on the network (DMP and DMR) |
| Apple ID compatibility | Audio playback via USB from iPod, iPhone and iPad |
| Network connectivity | WiFi: LAN, IEEE 802.11 b/g Ethernet: 10/100 base T |
| Digital to analogue conversion | Leema Quattro Infinity DAC |
| Display | QVGA TFT colour. Cover art and server navigation tree displayed |
| USB | Playback from FAT16 or FAT32 formatted mass storage |
| Play modes | Random, Repeat single, repeat all, play list, preset list (max. 64) recently played, favourites (max. 20) |
| Supported audio formats | MP3 up to 320K, AAC, Ogg Vorbis, FLAC up to 24/192, LPCM up to 24/192, WAV up to 24/192, WAX, ASX, M3U, PLS, WPL |
| Analogue outputs | 1 x balanced XLR 1 x unbalanced RCA |
| Dimensions (W x H x D) | 217 x 90 x 375 mm |
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