

UNITY AUDIO LTD

WHAT THE MEDIA SAYS...

"The loudspeakers disappeared to make room for an intimate soundstage, compact in size, very direct and pulsating. Turning up the volume beyond 90dB lets the soundstage grow in height, width and depth. It doesn't alter tone, it's just louder and bigger."

"The impact of the drums is staggering, punchy and fast, one could say blindingly fast."

"Heavy pop music fills the room, leaving no doubt that these speakers can rock when you want them to. Whatever was recorded comes out with great instrument to voice separation, one that would give a sound engineer more than enough inside information."

The Ear June 2015

"As always with active speakers, they have a way with dynamics that makes most passive systems sound a bit dull and blunted. And I don't just mean that they can go loud, although they can. The main thing is the way they make things come alive and bring out the energy and enthusiasm in the music."

"The really addictive property of these Rocks is the amazing clarity they bring to the party. Recordings you thought you knew well are laid out before you in a way that enables you to not just hear new elements, but to hear new meaning in the music."

"Fantastic clarity, deep and articulated bass, great dynamic expression, perfect timing, these speakers are examples of the best that active speakers have to offer."

"They get my highest recommendation: I bought them myself. If you don't want to end up buying a pair too, then I suggest you don't audition them."

TNT Audio.com March 2013



THE ROCK

The stunning Rock Hi-Fi is an accurate, critically acclaimed active 2-way stand-mount loudspeaker. A small and stylish speaker with an incredible pedigree. The Rock is capable of delivering a truly musical audiophile performance that belies its compact size.

The Rock features carefully selected discrete audiophile components that enhance its performance into a true exotic. We've fitted Mundorf components and partnered with Audioquest to develop the internal wiring. Drive units are by ELAC and the amplifiers were designed exclusively by Tim de Paravicini.

SPECIFICATION

180mm (7") ELAC Woofer

50kHz ELAC Folded Ribbon Tweeter

Sealed Baltic Birch 12mm (.5") Plywood Cabinet

Corian 12mm (.5") Front Baffle Design

2 x Discrete A/B Amplifiers by Esoteric Audio Research (100 watts total)

Balanced XLR Input

Un-balanced RCA Gold Plated Input

37Hz-50kHz +/- 3db

290mm D x 220mm W x 325mm H

11.4" D x 8.6" W x 13.1" H



AMPLIFICATION

The Rock is equipped with a 100 watt discrete bi-polar low feedback amplifier with custom wound transformers designed by the amp guru Tim de Paravicini of Esoteric Audio Research. Dedicated LF and HF sections result in a very fast, clean and astoundingly accurate audio reproduction.

DRIVERS

The Rock uses a 50kHz folded ribbon tweeter designed by ELAC. The 180mm woofer features a 0.2mm aluminium foil that is chemically bonded to a rigid pulp fiber cone.

This seamless combination of drivers delivers a frequency response of 37Hz-50kHz +/- 3db, incredible resolution and detail, and provides a microscopic view of any program material whilst remaining comfortable for long listening periods.

SEALED CABINET

Unlike many stand-mount speakers the Rock cabinet is a sealed enclosure that doesn't rely on a resonate port to deliver it's low-end performance. The advantage of this design philosophy is more accurate bass with better time domain performance. The cabinet is made from superior 12mm, 9-ply Baltic Birch plywood.

A 4 way front to rear bracing system is also incorporated to eliminate cabinet flexing. To add density, mass and rigidity the front baffle is manufactured from Corian and bonded to the birch ply baffle.

This unique baffle arrangement totally eliminates front panel resonance.

THE SUPER ROCK

Quite possibly the ultimate expression of a 2-way loudspeaker, The Super Rock starts out as a Rock but turns every detail up to eleven. We've analysed every single component in microscopic detail and challenged our designers to improve it whilst keeping the same form factor. What they achieved is a truly stunning stand-mount loudspeaker. The Super Rock provides a musical performance and scale that is truly out of this world. It delivers 3D holographic imaging that you can reach out and touch and super fast dynamics that are breathtaking.

SPECIFICATION

220mm (8") SEAS Woofer 50kHz Mundorf (AMT) Tweeter

Sealed Baltic Birch 18mm (.75") Plywood Cabinet

Corian 30mm (1.2") Front Baffle Design

2 x Discrete A/B Amplifiers by Esoteric Audio Research (100 watts total)

Balanced XLR Input

Un-balanced RCA Gold Plated Input

35Hz-50kHz +/- 3db

354mm D x 268mm W x 406mm H

13.9" D x 10.5" W x 16" H



AMPLIFICATION

The Super Rock features the same exclusive Tim de Paravicini amplifiers as the rest of the range. Internal wiring is by Audioquest and critical audio path components are supplied by Mundorf resulting in an audiophile speaker that is greater than the sum of it's parts.

DRIVERS

The 200mm SEAS custom aluminium woofer delivers amazing micro and macro-dynamics. The cone and the low loss rubber surround have been specifically designed to eliminate cone edge resonance and distortion typically associated with soft cones.

The same long, high temperature voice coil as The Boulder provides super low distortion and very high power handling capacity.

The bass driver hands over seamlessly to an all-new Air Motion Transformer Tweeter that has incredibly low distortion figures, excellent transient response and carefully considered dispersion characteristics that deliver seamless inter-driver coherence.

SEALED CABINET

Cabinet colourations are kept to a minimum with a Corian front baffle. Depth is up from 12mm to a huge 30mm with large radius edges to reduce reflections and improve imaging.

Like the rest of the range The Super Rock features the same attention to detail and is made from 18mm, 9-ply Baltic Birch plywood.

Our front to rear bracing system is also incorporated to illuminate cabinet flexing.





THE BOULDER

The Boulder Hi-Fi is a 3-way active loudspeaker that redefines expected levels of sonic performance and is regarded as a truly world-class musical performer. Boasting a distortion-free fast, accurate detailed sound and prodigious extended bass response The Boulder brings you closer than you thought possible to your musical collection.

The Boulder features the same Tim de Paravicini amplifiers as the rest of the range, four per cabinet. Internal wiring is by Audioquest and all critical audio path components are supplied by Mundorf.

SPECIFICATION

2 x 220mm (8") SEAS Woofer

Dual Concentric 130mm (4.5") ELAC Mid Range and 50kHz Folded Ribbon Tweeter

Sealed Baltic Birch 18mm (.75") Plywood Cabinet

Corian 30mm (1.2") Front Baffle Design

4 x Discrete A/B Amplifiers by Esoteric Audio Research (200 watts total)

Balanced XLR Input

32Hz-50kHz +/- 3db

390mm D x 268mm W x 614mm H

15.4" D x 10.5" W x 24.2" H



AMPLIFICATION

Regarded as easily rivaling many larger and more costly loudspeakers designs, The Boulders incorporate no less than four discrete bi-polar low feedback amplifiers designed by amp guru Tim de Paravicini. With the power delivery of the custom Class A/B amplifiers at their disposal, The Boulders deliver a life-like sense of scale and take any performance in their stride.



DRIVERS

The Boulders are fitted with two 220mm SEAS custom aluminium woofers that provide tremendous bass precision down to 32Hz and beyond.

The unique ELAC coaxial mid-range tweeter driver works as a point source over 7 octaves and delivers linear amplitude and phase independent of frequency. This results in holographic imaging, incredible mid-range detail and crystal clear high frequencies.

SEALED CABINET

To accommodate the large 220mm woofers the sealed cabinet uses Baltic Birch plywood and a huge 30mm Corian front baffle with large radius edges to reduce reflection and cabinet resonances.

THE BOULDER B.A.B.E. SYSTEM

SPECIFICATION

2 x 220mm (8") SEAS Woofer

Dual Concentric 130mm (4.5") ELAC Mid Range and 50kHz Folded Ribbon Tweeter

1 x 300mm (12") Morel Woofer

Sealed Baltic Birch 18mm (.75") Plywood Cabinet

Corian 30mm (1.2") Front Baffle Design

4 x Discrete A/B Amplifiers by Esoteric Audio Research (200 watts total)

2 x Discrete Class D Amplifiers (750 watts total)

Balanced XLR Input

20Hz-50 kHz +/-3dB

BOULDER

390mm D x 268mm W x 614mm H

15.4" D x 10.5" W x 24.2" H

B.A.B.E.

390mm D x 386mm W x 614mm H

15.4" D x 15.2" W x 24.2" H



The flagship of the Unity Audio Hi-Fi range is a breathtaking system based around our Boulder 3-way speaker with the addition of two Boulder Active Bass Extender cabinets (B.A.B.E.S). The B.A.B.E. system transforms the existing Boulder into a true 4-way design with truly stunning dynamic resolve typically only found in the very best recording and mastering studios. With close to 1000 watts (rms) per channel the system is able to deliver incredible headroom and scale and life-like dynamics.

THE SYSTEM

The system comprises two bass extension cabinets with their own 750 watt class D amplifiers and speaker-management and system all housed in separate units that control all the audio routing, gain, cross-over management, optional EQ and Limiting.

SEALED CABINET

The B.A.B.E. retains the same sealed cabinet approach used throughout the Unity Audio range. This design approach provides faster, tighter and more accurate linear bass reproduction and results in less phase rotation, reduced time domain ringing, lower group delay and a shallower roll-off slope than inferior ported designs. These characteristics make The B.A.B.E. a natural choice for all critical music applications.

DRIVERS

The B.A.B.E. uses an innovative 300mm woofer designed exclusively for sub and low frequencies. The driver employs a huge 130mm Hexatech external voice coil wound with a hexagonal-shaped aluminium coil wire (2-3 times thicker than standard woofers) for accurate music reproduction, superior durability and power handling. This driver delivers an extraordinary combination of audiophile musicality and high power handling.

DSP

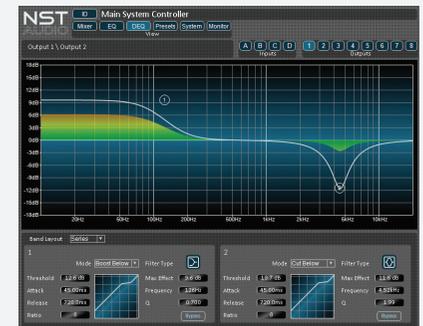
No two rooms are the same so we have developed a transparent audiophile quality DSP processor. The unit features a dedicated software package that runs on a PC or Mac to allow fine tuning of the system to each individual acoustic space.





ADVANCED CONTROL

PC, Mac and iPad compatible remote control software with USB and Ethernet access provides user friendly control of all system setup parameters.



THE AVALANCHE

The Avalanche active sub-woofer is primarily designed to compliment our existing Rock and Boulder models, seamlessly transforming them into full range 3-way and 4-way systems and extending their low frequency performance down to an incredible 22Hz. It is also the perfect 2.1 or 5.1 partner in a surround-sound setup to The Rocks and Boulders.

SPECIFICATION

300mm (12") Woofer

Sealed Aperiodic Vent Cabinet Design

22Hz-120Hz Frequency Response

2 x Discrete A/B Amplifiers by Esoteric Audio Research (200s watt total)

2 x Balanced XLR Inputs, 2 x Balanced XLR Outputs

Active Crossover with Rock and Boulder Pre-sets

Variable Low and High Pass Filters

Gain and Phase Invert Controls

Remote XLR Bypass Foot-Switch Included

430mm D x 430mm W x 540mm H

17" D x 17" W x 21.3" H



AMPLIFICATION

Two Unity Audio low frequency custom discrete Class A/B amplifiers running in parallel delivering an effortless 150 watts are mounted on rubber isolation mounts.

CONTROL

User controls consist of Level, 180-degree phase switch, bypass switch, and a switched rotary satellite crossover frequency selector.

Two factory presets are provided for teaming up with The Rock or Boulder. In addition, both Low Pass 4th order filter and High Pass 2nd order filters can be set independently in Vari mode.

DRIVERS

The Avalanche uses a downward ring 300mm woofer, designed exclusively for heavy-duty sub-woofer applications.

The input circuitry uses two balanced XLR inputs feeding Burr Brown op amps to maintain the best possible quality audio signal which passes through to the satellite speakers.

SEALED CABINET

The Avalanche retains the sealed cabinet design approach but features a dual-chamber with an aperiodic Vent.

This delivers all the benefits of a sealed cabinet such as zero port noise and tight fast accurate bass reproduction. It also significantly increases the bass response available from a smaller cabinet design.

UNITY AUDIO

Unity Audio has been at the leading edge of monitor design for many years. We pride ourselves in taking a fresh approach to designing and manufacturing products, using different materials in innovative ways. We source quality components from reputable companies, working with skilled craftsmen, incorporating new ideas on traditional designs, in order to fine tune our products. Every Unity Audio product has been designed, built and tested in the UK.

OUR PHILOSOPHY

Company founder Kevin Walker, in conjunction with studio designer and acoustician Kevin van Green, decided from the beginning that a sealed cabinet design would be employed exclusively to deliver fast transient dynamics and super accurate bass reproduction.

Good amplification is paramount to monitor performance so Unity turned to one of the best amplifier designers in the business. Tim de Paravicini from Esoteric Audio Research designed a fantastic custom discrete Class A/B amplifier that has become the amplification cornerstone of the Unity range.

PROFESSIONAL PEDIGREE

The speaker cabinets, manufactured in the UK, use high performance Baltic Birch plywood rather than more commonly used and sonically inferior MDF. Woofer and tweeter drive units have been carefully selected from various well-established reputable European partners that have outstanding design, build and quality control standards. This focused approach to design and manufacturing has led to the Unity name becoming synonymous with high performance loudspeakers.

USED BY THE WORLD'S BEST ARTISTS

Unity Audio also produces a professional range of studio monitors that are trusted by the world's best audio engineers, producers, Grammy award-winning artists, film composers, broadcasters, universities, mastering engineers and home studios.

UNITY AUDIO LTD

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