

UNITY AUDIO LTD

BRUTALLY HONEST MONITORING...



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 all 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.



ATTENTION TO DETAIL

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 studio monitors.

USED BY THE WORLDS BEST ARTISTS

Unity Audio active monitors are used by the world's best audio engineers, producers, Grammy award-winning artists, film composers, broadcasters, universities, mastering engineers and home studios.

THE PEBBLE & BAM BAM 2-WAY & 3-WAY MONITORS

AN ENTRY LEVEL MONITOR WITH HIGH END SONICS

SPECIFICATONS

THE PEBBLE

150mm (6") SEAS Woofer

33mm (1.3") Wavcor Soft Dome Tweeter

18mm (.7") Sealed Cabinet with 30mm (1.2") Baffle

Sealed Aperiodic Vent Cabinet Design

2 x 180 watt Class D Amplifier

Balanced XLR Inputs

47Hz-20kHz +/-3dB

242mm D x 193mm W x 280mm H

9.5" D x 7.5" W x 11" H

THE BAM BAM

180mm (7") SEAS Woofer

18mm (.7") Sealed Cabinet with 30mm (1.2") Baffle

Sealed Aperiodic Vent Cabinet Design

2 x 180 watt Class D Amplifier

Balanced XLR Inputs

47Hz-20kHz +/-3dB

242mm D x 193mm W x 280mm H

9.5" D x 7.5" W x 11" H



THE PEBBLE – FOR CRITICAL NEAR-FIELD APPLICATIONS

The Pebble is a technology tour de force and features many innovations found only in the upper end of the Unity monitor range. The Pebble is an incredibly flexible design that can be further improved with the addition of the Bam Bam expansion device.

THE BAM BAM – NOT A SUB-WOOFER

The Bam Bam is not a sub-woofer but an extremely versatile low frequency expansion device for The Pebble. It transforms The Pebble into a true 3-way monitoring system with the benefit of the extending bass performance down to 34Hz.

GREATER THAN THE SUM OF ITS PARTS!

When used together the woofer in The Pebble now becomes a mid-range driver and seamlessly hands over bass duties to the woofer in the Bam Bam. Audio is routed from one cabinet to the other via a supplied short XLR cable. There are no complicated and confusing crossovers to adjust. Level trim controls are provided on both Pebble and Bam Bam for additional balancing.

APPLICATIONS

The Pebble and Bam Bam are ideal as stereo near-field monitors for all professional and home users.

PEBBLE DRIVERS & SEALED CABINET

The Pebbles feature a high quality woofer and soft dome tweeter with 2 x 180 watt amplifiers, custom crossovers and a frequency response of 47Hz-20kHz +/-3dB. With a sealed cabinet for fast, highly accurate transient response, it features the same Aperiodic Vent used in the Avalanche sub-woofer to deliver extended low frequency range.

BAM BAM DRIVERS & SEALED CABINET

The Bam Bam features a single 182mm woofer with it's own 180 watt discrete amplifier housed in a sealed Aperiodic Vent cabinet. The Pebble and Bam Bam are a formidable combination that deliver truly accurate sonics and an astounding 360 watts per channel.



"TOP-END NEAR-FIELD/MID-FIELD ACTIVE MONITORS THAT ENABLE FLEXIBLE WORKING THANKS TO THE INNOVATIVE ENCLOSURE DESIGN"

THE ROCK MKII 2-WAY ACTIVE MONITOR

BRUTALLY HONEST MONITORING

The Rock MKII is an incredibly accurate, critically acclaimed 2-way active mixing reference near-field monitor considered by many professionals to be the reference all others are measured by.

Designed for demanding audio professionals spanning a wide range of applications including tracking, mixing and critical mastering applications. The Rock is equally at home sat atop a large-format mixing console or in a high-end studio, a home studio or a mastering facility.

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-38kHz +/- 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 aluminum foil that is chemically bonded to a rigid pulp fiber cone. This seamless combination of drivers delivers a frequency response of 37Hz-38kHz +/- 3db, and incredible resolution and detail, and provides a microscopic view of any program material whilst remaining comfortable for long listening periods.

SEALED CABINET

Unlike many near-field monitors the 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 and a gradual 12dB per octave roll off as opposed to a 24dB roll off with ported designs. The cabinet is made from 12mm, 9-ply Baltic Birch plywood. A front to rear bracing system is also incorporated to stop cabinet flexing. To add density, mass and rigidity the front baffle is manufactured from 12mm Corian and bonded to the 12mm ply baffle.

APPLICATIONS

Rocks are ideal in a 2.1 or 5.1 system configuration when partnered with an Avalanche Sub-woofer.



**"LOUD, DEEP, DETAILED
AND GORGEOUS-SOUNDING
ACTIVE MONITORS"**

THE SUPER ROCK 2-WAY ACTIVE MONITOR

REVOLUTION NOT EVOLUTION!

Quiet possibly the ultimate expression of a 2-way design, The Super Rock starts out as a Rock MKII and turns every detail up to eleven! We've analysed every single component and parameter of The Rock in microscopic detail and challenged our designers to improve it whilst keeping the same 2-way design and convenient form factor. What they achieved is quiet simply a landmark product that goes deeper, hits harder and retrieves even greater levels of resolution. Although at its heart it's a 2-way it certainly Rocks like a miniature Boulder.

SPECIFICATION

220mm (8") SEAS Woofer

33kHz 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-38kHz +/- 3db

354mm D x 268mm W x 406mm H

13.9" D x 10.5" W x 16" H



DRIVERS

Starting with the drivers, we have increased the diameter of the bass driver up to 220mm, the same size as bigger brother, The Boulder. However our engineers didn't just settle for using the exact same driver, they demanded a new specification specifically matched to The Super Rock's smaller sealed cabinet. The 220mm 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.

"WE RAISED THE BAR FOR THE SUPER ROCK, EVEN GREATER RESOLUTION AND DETAIL WHILE PROVIDING MORE SPL AND BASS EXTENSION"

CABINET

Cabinet colourations are kept to a minimum with a redesigned Corian front baffle. Depth is up from 12mm to a huge 18mm with large radius edges to reduce reflections and improve imaging. Like The Rock MKII, The Super Rock features the same attention to detail and is made from 18mm, 9-ply Baltic Birch plywood rather than inferior MDF, typically used by our competitors. Our front to rear bracing system is also incorporated to stop cabinet flexing.

APPLICATIONS

Super Rocks are ideal in a 2.1 or 5.1 system configuration when partnered with an Avalanche Sub-woofer or used as rears in a Boulder 5.1 surround system due to their highly consistent sonic signature.

UNITY AUDIO ARTISTS & ENDORSEES



STUART HAWKES

Ed Sheeran, Sam Smith, Noel Gallagher,
Disclosure, Amy Winehouse

*"Everything I need for mastering from
a nearfield monitor."*



STEVE FITZMAURICE

Craig David, Depeche Mode, Kate Nash,
Seal, U2

*"The Rocks have become my monitor
of choice when I want to focus on the
mid-range details. In the end, it will be these
details that will give the record it's life."*



JOHN LECKIE

Radiohead, The Stone Roses, Muse,
The Fall, XTC, Simple Minds

*"The Rocks rock – scary speakers to listen to
your mix on as they really expose what's there!
Anyone working in professional
studios today should hear these speakers."*



TOM DALGETY

Killing Joke, The Maccabees, Simple Minds,
The Family Rain, Turbowolf, Royal Blood,
Dinosaur Pile Up, Broken Hands, Cat's Eyes,
Delays, Siouxsie

*"The definition in the bass is fantastic. They make you
work hard – but the results are worth it!"*



GUY MASSEY

Ed Sheeran, The Coral, Paul McCartney,
The Beatles, Manic Street Preachers, Spiritualized,
The Divine Comedy

*"The soundscape seems so obvious that
I can place things much easier than I could on my
previous monitor setup. The low end
is incredible, I no longer have bass paranoia,
I can mix with total confidence!"*



JOSHUA HOMME

Queens of the Stone Age

*"As for the Boulders...they're the exact
speaker I needed. The power and the punch
of a large studio main. That big bottom end
you'd expect, but not at the expense of precious
mid-range. Accurate details abound."*



MIKE CROSSEY

Arctic Monkeys, Razorlight, Foals,
The Kooks, Black Keys

*"The soundstage on them is huge though
un-hyped and true. They are very impressive indeed.
I used to spend hours agonising over the low end,
The Rocks just get me there so much quicker,
I'd say they save me two hours a day mixing so
they actually help me get more sleep!"*



GEOFF FOSTER

Quantum of Solace, The Da Vinci Code,
Sherlock Holmes, Inception, Casino Royale,
Moulin Rouge, The Ring, The Lion King,
The Chronicles of Narnia, Sweeney Todd,
The Dark Knight Rises, Stoker,
The Great Gatsby, Interstellar

*"I needed a portable, faithful 5.1 system.
A Rock system seemed a pretty obvious choice."*



STEVE OSBOURNE

K T Tunstall, Happy Mondays, B-52's, Simple Minds, Doves, Suede, Lamb

"The Rocks are so good to work on I honestly believe they will become the new standard, replacing the NS10, but much, much better."



LIAM HOWLETT

The Prodigy

"These Boulders and Avalanche rock it for me. No technical bollox needs to be said here. I like to write loud and these deliver what I need for this new Prodigy record!"



ANDY GREY

Radiohead, Enter Shikari, U2, Hard-Fi, BT, Korn, Madonna, Fluke, CSI Miami, Tori Amos, The Bourne Identity, Zoolander, Big Brother theme

"The best just got better – no sub required!"



PEDRO FERREIRA

The Darkness, Stereophonics, David Grey, Therapy?

"Finally some big speakers that I can work and have fun with."



BEN HILLIER

Blur, Depeche Mode, Future Heads, Elbow, Graham Coxon

"I've been testing The Rocks on various mixes and they're outstanding. The bass response is fast and true and can be totally trusted. Overall, The Rocks are amazing, brutally revealing which is exactly what I need for demanding mixing."



MARK RANKIN

Adele, Plan B, Florence & The Machine, Friendly Fires, Cee Lo Green

"When I first got them it was a revelation, its what I've been looking for but I've never been able to find in a near-field monitor. Before The Rocks I was always going back to the usual NS10's, but now I'm so confident in The Rocks I'm finally putting the NS10's out to pasture."



ALAN MOULDER

Arctic Monkeys, Depeche Mode, Placebo, Foals, Bloc Party, Foo Fighters, The Killers, The Smashing Pumpkins

"I really like these monitors, I can't stop going to them. I love them for balancing mixes – vocals in particular. The bass detail and speed is quite staggering for a small cabinet, in fact the best I've heard."



RIK SIMPSON

Coldplay, Jay Z, Kasabian, Athlete, PJ Harvey

"The clarity and depth of perception is something that I never expected to find on such a small speaker like The Rock. The bass response is surprisingly deep, transient response snappy, and stereo depth impressively wide. I love them."

THE BOULDER MKII 3-WAY ACTIVE MONITOR

TRUE GIANT KILLERS

The Boulder MKII 3-way active monitor redefines expected levels of sonic performance and is regarded as a truly world-class monitoring system. Like the critically acclaimed MKI model, the MKII's boast a fast, accurate detailed sound and prodigious extended bass response, and deliver even greater levels of SPL to fit into any critical listening environment or scenario.

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-38kHz +/-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 monitoring systems, The Boulders incorporate four discrete bi-polar low feedback amplifiers from The Rock MKII. With the power delivery of the custom Class A/B amplifier 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 Aluminum woofers that provide tremendous bass precision down to 32Hz and beyond. The unique 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 incredibly detailed, accurate imaging you can trust.



"WITH ITS SUPERB ON-BOARD AMPLIFIERS AND STATE-OF-THE-ART DRIVERS, THE NEW BOULDER IS A TRULY WORLD-CLASS MONITOR"

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.

APPLICATIONS

The Boulders can be expanded with dedicated Boulder Bass Extenders or partnered with an Avalanche Sub-woofer to make a 2.1 or 5.1 system and can even be used with Rocks due to the consistent sonic signature.

THE B.A.B.E. (BOULDER ACTIVE BASS EXTENDER)

BASS – HOW LOW CAN YOU GO?

The B.A.B.E. transforms the existing 3-way Boulder into a true 4-way monitoring system. With flexible soffit mount or free-standing installation options, the system can be mounted horizontally or vertically. An optional free-standing plinth/spacer is also available.

The 4-way system extends SPL and frequency response.

The sealed cabinet is internally isolated to reduce vibration interference and uses a single 300mm driver with a 125mm voicecoil, designed exclusively to low frequency reproduction.

SPECIFICATION

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)

Balanced XLR Input

20Hz-180/220Hz – adjustable +/-3dB

390mm D x 386mm W x 614mm H

15.4" D x 15.2" W x 24.2" H



THE SYSTEM

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

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 aluminum 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.

"THE B.A.B.E. ADDS A FLEXIBLE MODULAR APPROACH ENABLING A FULLY 4-WAY SYSTEM CONFIGURED THE WAY YOU WANT IT, WITH BREATHTAKING PERFORMANCE"

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.

FLEXIBILITY

The B.A.B.E. is suitable for all recording and mastering facilities and has been carefully designed to suit all environments and applications.

The system can be used free standing or soffit mounted in either horizontal or vertical configurations without compromising performance.

THE AVALANCHE ACTIVE SUB-WOOFER

POWER AND CONTROL

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



DRIVERS

The Avalanche uses a downward firing 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.

"SONICALLY, THE AVALANCHE IS VERY CLEAN AND QUIET, WITH VERY LOW HARMONIC DISTORTION AND NO AUDIBLE NOISE. IT FILLS IN THE LOWEST OCTAVES WITHOUT COMPROMISING MIDRANGE CLARITY. IT IS IMMENSELY POWERFUL AND CLEAN-SOUNDING".

Sound On Sound

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. A bypass foot-switch is also included to allow users to switch the sub-woofer in or out of circuit.

MONOLITH STANDS

NOT ALL STANDS ARE EQUAL



DESIGN

We designed and manufactured our own monitor stands because we felt that current speaker stands were just not up to the job for professional applications. The principle behind a good stand is to provide a solid base for the speaker so that energy is not lost through unnecessary movement. Eliminating lost energy means that bass response is dramatically improved with extended lower end performance in conjunction with a tighter, better defined mid-range. In addition, if your control room has a resonant floor, The Monolith decouples the speaker from the floor, again reducing energy loss.

“THE PRINCIPLE BEHIND A GOOD STAND IS TO PROVIDE A SOLID BASE FOR THE SPEAKER SO THAT ENERGY IS NOT LOST THROUGH UNNECESSARY MOVEMENT”

CONSTRUCTION

Black powder-coated heavy-gauge 5mm steel is used throughout The Monolith. Top and bottom plates are 300mm x 300mm (custom sizes are available). Three vertical hollow legs can be sand-filled to add additional mass. Height is adjustable – each leg is drilled with a number of equally spaced holes and locking pins fix the legs to the desired height. Both top and bottom plates are drilled and tapped with M8 threads to accept heavy-duty M8 knurled spikes to mount the speaker to the stand and isolate the stand from the floor if required.

Available in 3, 2 and single leg configurations.



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