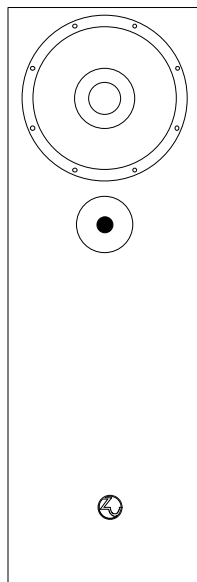


OMEN Mk.II

[REV-B]



AD COPY + SPECIFICATIONS

09 | 2015



OMEN Mk.II AD COPY + SPEC'S

ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

2015, Q1. Zu Omen mark-two, revision-A entered production without marketing or advertising and ran through July, 2015. Omen loudspeakers purchased from Zu during this time were upgraded to Omen Mk.II Rev-A without fanfare or price increase and made know to customers at the time of purchase.

2015, September. Omen Mk.II is launched and marketed, which included two changes from revision-A: full Mission cable harness (in place of simple Mission hookup wire), and the addition of the ZuB3 connection on the binding posts/backplate. Full Mission cable harness improves system conductance and allows the addition of the ZuB3 connection. ZuB3 connection is in addition to the standard 5-way binding posts and is connected to them in parallel. These two connection formats allow the use of loudspeaker cable terminated with: ZuB3, standard 1/4" [6.3mm] and oversized >1/4" spade lugs [forks], banana plugs, bare wire and pins.

Internal cable upgrade and addition of the ZuB3 connection are the only differences between Omen Mk.II Rev-A and Rev-B. Mark and revision are engraved on Omen's backplate.

WHAT'S CHANGED FROM MK.I TO MK.II

- Full-range driver: new nanotech paper-core cone fitted on the new Zu260FRD/ND full-range driver.
- Full-range driver: model number is now machined into the front pole-piece of the FRD for easy identification.
- Full-range driver: tighter tolerance in matching using time and amplitude tone prints.
- Full-range driver: revised cast basket with improved mounting.
- Full-range driver: revised machined from billet trim-ring, matching the revised bolt holes and driver frame profile.
- Cabinet: revised bolt hole circle and cutout complete with radii for reduced stress risers and quieter wave mechanics around the critical driver area.
- Cabinet: improved Zu-Griewe finger porting complete with radii for reduced acoustic and structural noise.
- Cabinet: metal-to-metal fasteners; no more wood screws, anywhere. Inserts and screws are stainless steel.
- Cabinet: revision of nameplate cutout to accommodate the ZuB3 + 5-way binding post backplate.
- Cabinet: no loose fiber fill, only premium open-cell polyurethane for internal acoustic damping. This yields tighter production tolerances, expanded acoustic solutions, and ensures engineered acoustic properties will not shift in transit or over time.
- Tweeter: driver is Eminence ASD:1001 and Zu factory tone matched.
- Tweeter: revised machined from billet tweeter lens to better compliment the ASD:1001 and new FRD.
- Tweeter: mono-pole high-pass filter to match new tweeter assembly.
- Tweeter: high-pass features ClarityCap MR capacitors.
- Cable harness: featuring Zu Mission internal cable assembly (Rev-B).
- Input: ZuB3 connection + parallel 5-way binding posts (Rev-B).
- Input: machined from billet nameplate with engraved serial numbers.
- Packaging: two-piece G-flex foam encapsulated with dual-wall cardboard, very tough.
- Finish quality: a very big step up there and without a big price hike—you're welcome.

WHAT HASN'T CHANGED

- The architecture, with its great looking mid-century modern/Scandinavian inspired lines.
- Fun! Omen has always been fun, and aims to please; she is not and never will be a prima donna speaker.
- 5-year warranty and the best service in audio.
- 60-day satisfaction guarantee, and we pay return shipping.



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BENEFITS OF CHANGES ELABORATED

FULL-RANGE DRIVER We didn't want to mess up the great tone of Omen, but we did want to improve the resolution and transparency, bass through treble. We took the nanotech cone technology developed for our top models, along with the revised cast aluminum basket and incorporated them into the Omen's undercut, 12 ohm coil motor. These changes significantly improved Omen's total detail without damaging its famously great tone. After improving the full-range driver we moved our focus to the cabinet, starting with the driver area and moving out.

CABINET In development of Druid Mk.V we found that subtle changes made to how the drivers mated with the cabinet yielded rather large performance effects; so we increased our engineering and development efforts into the dynamics of cabinet/driver interfacing. Omen Mk.II is leveraging these efforts. Yes, she looks nearly the same on the outside (a good thing) but the driver frame and how it mates with the cabinet are significantly improved, yielding lower noise and better wave mechanics—quieter, quicker, more precise, a significant step forward and further proof of our comprehensivist design position (engineering all system elements to best work within the whole). These seeming small refinements added little to the manufacturing costs but realized healthy performance improvements.

IMPROVED ZU-GRIEWE CABINET LOADING Revised finger ports on the bottom of the cabinet reduce noise and better couple the acoustic impedance of the room to that of the full-range driver, yielding tighter and clearer bass without sacrificing amplitude extension down low. The revised design also makes the cabinet significantly stronger, not that you were using it as a motorcycle stand. Still, stronger in this case is good and opens up other possible structural engineering solutions to further reduce cabinet noise.

IMPROVED INTERNAL ACOUSTIC CONTROL Technology originally developed for Druid Mk.V is now used in Omen Mk.II loudspeakers. It takes advantage of both diffusion and absorption and significantly improves the internal acoustics and further reduce noise. No more fiberglass insulation, yay! Getting rid of the fiber fill and replacing it with the better and more elegantly engineered sectional foam based system also means less system change as the loudspeakers age *and* no shedding of fiber so reduced dust level in your home—we hate dust.

FASTENERS & INTERFACE SYSTEMS No more wood screws—though the old ones we used were killer. All fasteners are now metal-to-metal. (Note, screws and inserts are stainless steel and you will want to use a bit of thread lube if you ever take things apart. Stainless steel fasteners are particularly susceptible to thread galling. Without lube the tightening process can seize the screw and insert together.)

TWEETER Tweeter driver is made by Eminence and has many of the features found in the top shelf Radian drivers, like toughened aluminum alloy with mylar damping, and larger than traditional diaphragm for better dynamic behavior and electroacoustic power transfer. The driver is the same used in our OmenDef Mk.II (though a different lens and mounting). The new driver also uses a dual-wall rear chamber to reduce mechanical/acoustic feedback.

TWEETER HIGH-PASS NETWORK Staying true to comprehensivity and in keeping systems as simple as possible, tweeter and high-pass network were developed to allow the most basic of circuits, a simple single element filter. Advantages of designing on a fundamental level usually allow further refinement through better components, and so it is with Omen Mk.II—funds that normally get gobbled up in complex solutions to basic problems are freed allowing us to put that cash into premium ClarityCap MR capacitors, full Zu Mission cable harness and inclusion of the ZuB3.

ZUB3 + 5-WAY BINDING POSTS This lets you run the ZuB3 connection if desired (which we think sounds best) or whatever cables you are already owning. You can use standard or oversized spades, bare wire, banana plugs or pins, and if you decide you want to run ZuB3, and you own Zu cable, we will reterminate your cables for free.



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ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

Splitting your cash between your lifestyle outside and your lifestyle inside just got a whole lot louder!

Omen is the right speaker for the vast majority of music junkies looking for great playback that rather not sell plasma or their bikes to get it.

Omen is a high performance yet generally affordable, fully U.S. made loudspeaker that will deliver fantastic sound in any living room. Omen is not fussy with placement or with electronics, matching up nicely with most any amplifier or receiver modern or vintage. Omen is also built to last a lifetime: cabinet material, adhesives, driver assemblies..., every component is a quality part engineered and built to create a loudspeaker system that will continually satisfy and amaze decade after decade.

The Omen loudspeaker is our hook, the best we can do without making regrettable compromises in performance or materials. We think Omen Mk.II really delivers on the performance all that exotic driver goodness and premium cabinetry suggest—but only you know the sound you are looking for, everyone has their own sense tone and all of us have different tastes in music. Our in-home trial lets you play your music in your own space with your own electronics, free of some sales guy with bad breath hovering over you. So find out if Omen Mk.II floats your boat, without getting soaked, our 60-days satisfaction guarantee makes it possible and we coordinate and pay return shipping if they don't do it for you.

"The Omen's have wildly exceeded my expectations. Initially my plan was to have the Omen's in a second system. After a week of breaking them in it became apparent they were a very special speaker. I ended up selling my main speakers which were Stereophile B rated speakers featuring tweeter, midrange and three woofers in each tower.

The dynamics and integration of the Omen's is amazing. In the present system they have a fair bit of power going in. Bryston 4B SST amplifier bench tested at 324 watts into 8 ohms per channel. The old speakers went down to 18 Hz and while the Omen's don't go that low there seems to be much more bass than the advertised 35 Hz. I listen to all kinds of music and the Omen's have been great. Especially noteworthy was the Omen's on some Japanese mono Kink's Pye reissues." –Bob Fifik

OMEN MK.II QUICK SPECS

Height: 36" [91.5 cm]

Footprint: 12 x 12" [30.5 x 30.5 cm]

Weight: 54 pounds [24 kg] each

Bandwidth: 35–22 kHz

Efficiency: 97 dB SPL @ 1 watt / 1 meter

Impedance: 12 ohm

Power Amp Range: 4–300 watt

Designed in Ogden, Utah—U.S.A.

Made In Ogden, Utah—U.S.A.



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ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

NOTES & TIPS ON HANDLING AND GETTING GREAT SOUND FROM OMEN

- Don't damage the finish! Make sure you are snap, buckle, and jewelry free before you handle them.
- If you have a bad back or are accident prone please get help moving and positioning loudspeakers.
- Turn your receiver or amplifier off before disconnecting and connecting loudspeakers.
- Connect Omen and amplifier Red to Red and Black to Black unless you have reason to do otherwise.
- Omen loudspeaker drivers create magnetic fields that extend beyond the boundaries of the cabinet; we recommend you keep magnetically sensitive stuff at least a foot [30 cm] away from them.
- Omen loudspeakers get 300 hours of high-intensity factory burn-in to ensure they will sound great within just a week or so of regular play. Nevertheless, if they are transported in cold weather they will take several days to "warm up" and return to giving you their best.
- Make sure you have 1/4" [6 mm] or so gap between the bottom of the Omen loudspeakers and the floor. The finger ports are part of the Zu-Griewe box loading technology. They are not ports as used in a bass-reflex design but the finger ports do need to see the acoustic impedance of the room to function; blocking them turns Omen into an interesting but sealed design.
- In addition to the factory installed ball-end footers (for use with hard surface flooring), Omen also ships with spikes to be used to punch through and anchor the speaker through carpets and rugs.
- Omen is designed to account for its shortish stature. Placing its full-range 10" driver on top and then time-aligning the super tweeter to "tilt" the sound in a slight upward direction causes Omen to sound larger and taller than it is. Users can increase this effect by adjust the feet so as to lean the speaker back, further tailoring the sound of the loudspeaker's integration with the room and the humans in it.
- Remove the protective plastic shipping disks covering the full-range driver. Yes, there have been a few times "speakers didn't sound right" just to find out the full-range driver's disks were still in place.
- Position left and right speakers symmetrically in a classic stereo arrangement but wider for best stereophony. Start at a 90 degree spread and move wider until you are happy with tone and stereo imaging.
- Point Omen directly at central listening seat for greatest intimacy. Point Omen directly forward for less treble and a more diffused playback. Experiment with left/right spread and also toe-in, one effects the other.
- Those using Zu cable should also consider using the ZuB3 connection (via Neutrik speakON® 8-pole concentric connector; the big concentric socket found on the nameplate of the Omen Mk.II Rev-B). This connection improves bandwidth and lowers contact resistance compared to 5-way binding posts. ZuB3 also helps ensure you get things connected as they should be; left and right in the same phase. And know Zu will reterminate your Zu loudspeaker cable to ZuB3 free of charge.

Omen is easy, and easy to love.

Thanks for your interest and please don't hesitate to call or email, we love what we do and we're here to help.



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ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

ZU260FRD/ND DRIVER AND ZU-GRIEWE ACOUSTIC TECHNOLOGY

Omen, like all Zu products, is built around the critical human voice (A1, 55 Hz, through A6 and all the possible harmonics, to approximately 12 kHz). Serving this critical region of tone is Zu's Zu260FRD/ND 10.3" [260 mm] nanotech/paper composite full-range driver. In addition to a very large motor assembly and nanotech/paper composite cone, the driver also features a new cast aluminum basket and machined from billet center pole complete with engraved model notation on the face for easy identification. We only use the finest adhesives and binders to ensure consistency, toughness and a very long life; the result of decades of engineering and refinement with roots going back to 1934 and the prolific Harry Olson.

We designed/refined the Omen's new full-range driver to work within our Zu-Griewe box/acoustic loading technology. With Omen Mk.II you get a loudspeaker that is lightning-quick yet still lays down loads of tone density. The system is consistent and linear in its resolution and dynamic behavior—from bass through treble. Omen Mk.II features revised Zu-Griewe loading and delivers slightly increased efficiency in the bass range and reduces noise and distortion generally. Our technology also reduces internal acoustic noise and couples more tightly the high acoustic impedance of the driver cone to the low acoustic impedance of the room. So you get improved bass drum thwack, techno hit, thunder-broom shove, snare pop, guitar tone, fiddle bite and burnish... and all able to scale and span even the most demanding and complex recordings (particularly when matched with a great bottom active tuned subwoofer like our Undertone). And yeah, voice always sounds human, real and present.

ZuB3 CONNECTOR INFORMATION

As stated earlier, Omen mark-2, revision-A was in production without marketing or advertising hype the first half of 2015. Customers who purchased during this time were shipped Mk.II Rev-A without price increase; made know to them at the time of purchase. Mark and revision are printed or engraved on Omen's backplate. The launch and marketing of the new Mk.II included revision-B which features full Mission Mk.II cable harness instead of hookup wire, and the inclusion of the of ZuB3 interface connected in parallel with standard 5-way binding posts. 5-way posts plus ZuB3 connector allows you to use most any cable and connector. Wire/cable harness, and the addition of the ZuB3 connection are the only difference between Mk.II Rev-A and Rev-B.

ZuB3 interface is in parallel with the standard 5-way binding posts. You can use standard or oversized spades, banana plugs, bare wire or ZuB3; we make it easy for you. For best results we do recommend ZuB3 terminated Zu cable, as you might expect.

ZuB3 is a cable archetype that measures and performs differently than other cable formats (twisted pairs, coax, braids, or ribbons), a difference we believe significantly improves performance. Omen Mk.II Rev-B loudspeakers feature a cable geometry inside that benefits from this connection interface. Reasons for this include:

- Maintaining similar electric and magnetic (E&M) features through the wall of the loudspeaker.
- Lower contact resistance; better than half the resistance of pure copper lugs and spades.
- Ensured correct polarity (+ to +, - to -) as the connectors are keyed and only fit the right way.
- Significantly reduced possibility of short-circuiting your amplifier.




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ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

ZuB3 interface connection via speakON® 8-pole concentric connectors maintains the electric and magnetic properties of the ZuB3 cable and lowers contact resistance over other bulkhead/cabinet wall pass-throughs. For those that wish to use other cables, Omen Mk.II also features parallel 5-way binding posts. Users that own Zu loudspeaker cables can have their cable reterminated free of charge, further performance and maximizing your investment.

NOTE: We highly recommend factory termination. However, ZuB3 via Neutrik speakON termination convention is outlined here for reference.

ZUB3™ VIA NEUTRIK® SPEAKON™ 8-POLE TERMINATION CONVENTION

Pin-outs for ZuB3 via Neutrik speakON 8-pole / single channel	
SPEAKER +	SPEAKER -
SPEAKON 1+	SPEAKON 1-
SPEAKON 2-	SPEAKON 3+
SPEAKON 3-	SPEAKON 4-
UNUSED: 2+, 4+	
SP+ 1+ SP+ 2- SP+ 3- SP- 1- SP- 3+ SP- 4-	
NEUTRIK 8-POLE SPEAKON CABLE-END CONNECTORS FEATURE POZIDRIV #1 SETSCREWS 	



OMEN Mk.II SPECIFICATIONS

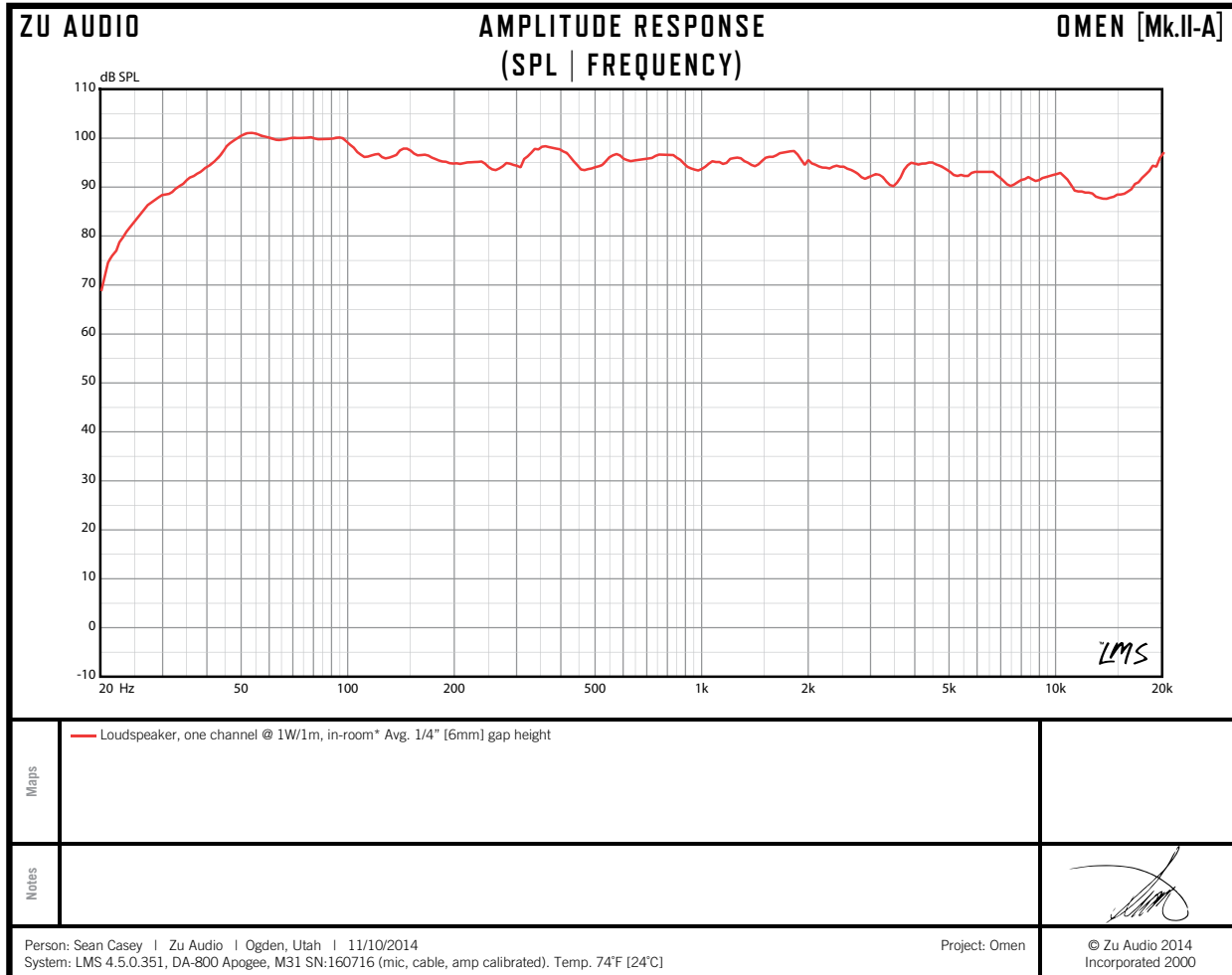
ZU AUDIO OMEN Mk.II [REV-B] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

Design	High efficiency, high output, direct radiating medium format floor-standing loudspeaker. Omen Mk.II Rev-B features a new nanotech full-range driver (Zu260FRD/ND), full Mission internal cable harness, ClarityCap MR capacitors on the high-pass network, stainless steel inserts throughout, revised Zu-Griewe driver/box/room loading technology, no crossover or filters on full-range driver, ZuB3 plus 5-way binding posts on machined backplate, and to provide the acoustic sparkle and resolution from 12 kHz and up the full-range driver is complimented by a new 1.7" aluminum alloy+Mylar dome super-tweeter with machined from billet tweeter lens.
Launched	September 2015
Production History	Omen Mk.I [Rev-A] 2010 Q3 Omen Mk.I [Rev-B] 2012 Q4 Omen Mk.II [Rev-A] 2015 Q1 (without hype, marketing or price increase) Omen Mk.II [Rev-B] 2015 Q3
H W D	36 x 12 x 12 [91.4 x 30.5 x 30.5 cm] height does not include footers or spikes
Footprint	12 x 12" [30.5 x 30.5 cm]
Weight	54 pounds [24 kg] each
Packaged	62 pounds [29 kg] each, one loudspeaker per shipping box
Driver Complement	Zu260FRD/ND, 10-1/3" full-range driver covering 35 to 12,000 Hz Zu/Eminence ASD:1001 tweeter assembly running from 12,000 Hz and up
Component Tolerance	driver 0.5% pair matching, 0.2% on all other electrical components
Input Posts	ZuB3 + 5-way binding posts, connected in parallel, accepting: ZuB3, 1/4" spade [6.3 mm fork], 5/16" spade [8 mm fork], bare wire \leq #4 AWG, pins, banana plugs
Efficiency	97 dB @ 1 watt / 1 meter
Impedance	12 ohm, nominal full bandwidth, 9 ohm minimum
Average Room / Moderate Volume	2 – 6 W
Large Room / Loud	6 – 20 W
Large Room / Concert Level	20 – 60 W
Max Input Power	300 W
Bandwidth	35 – 22,000 Hz (low end response is room dependent, 35 Hz is an average).
Group Delay	< 5 ms
Horizontal Listening Window	30°
Vertical Listening Window	30°
Full-range Driver Network	None
Super-tweeter Network	mono-pole high-pass @ 12,000 Hz measured, 18 kHz mathematical, 20 kHz electrical
Internal Cabling	Zu Mission cable harness
Cabinet	high density composite fiberboard sourced from US or Canadian mills
FRD Insert Thread	8–24 (mounting screw drive is 3/16" hex, 3 mm hex will also work)
Nameplate Insert Thread	8–24 (mounting screw drive is 3/16" hex, 3 mm hex will also work)
Spike / Feet Insert Thread	3/8–16 (9/16" hex nut, 14 mm wrench can be used but is tight)
Design	Ogden, Utah—U.S.A.
Mfg. Country Of Origin	Ogden, Utah—U.S.A. (>90%)
Drivers, cable harness, machine work	Ogden & SLC, Utah—U.S.A.
Cabinetry	Ogden & SLC, Utah—U.S.A.
Packaging	SLC, Utah—U.S.A.
Life Expectancy	100 years plus, all parts
Compliance	RoHS I WEEE I CE compliance save 5-way binding posts are non-insulated type.
Warranty & Service	5 years limited on cabinet and drivers—warranty does not cover misuse, abuse, components upstream from the loudspeaker system, modifications or non-factory service.



OMEN Mk.II SPECIFICATIONS

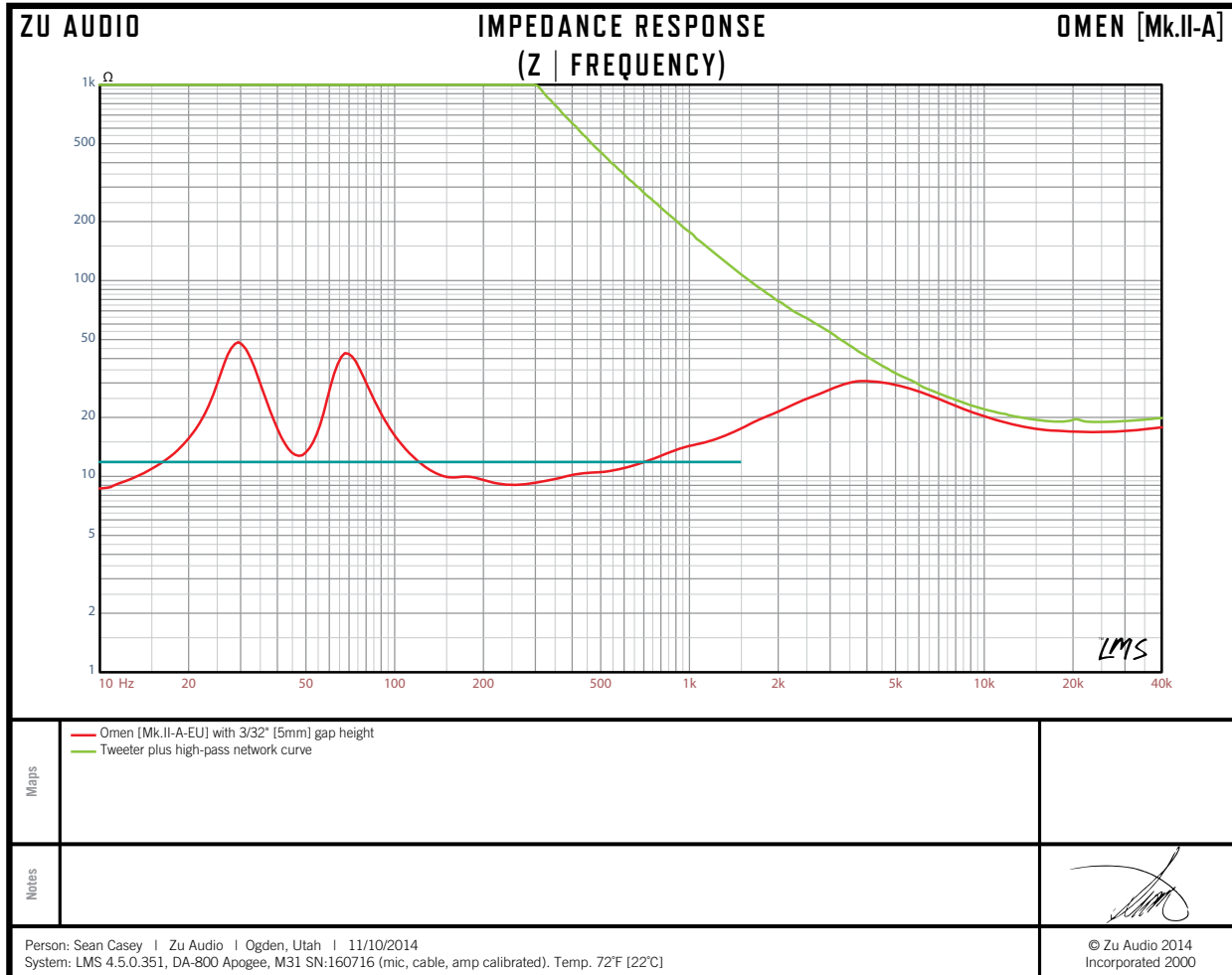
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OMEN Mk.II WARRANTY

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WARRANTY

Zu products are designed and manufactured to the highest quality. However, if something does go wrong Zu will fix or replace the product free of charge. Zu Omen loudspeakers have a five year limited warranty from date of purchase to original owner. If under normal home use you have any problems with drivers, cable, parts, cabinet, we will fix or replace the product. Loudspeaker warranty and service can usually be performed by the user, also known as DIY service, in such cases Zu will provide full technical support. This provides faster repair of product (reducing down time is always good), minimizes handling hassle and damage potential to both Zu and you, and reduces shipping costs.

Zu loudspeaker finish warranty covers color changes in paint, finish checking and oxidizing. While we use the highest quality UV protecting topcoat finishes, we cannot guaranteed against fading and you should keep them out of direct sunlight, just like a piano. While every effort is made to ensure a perfect finish that will last a lifetime, this warranty does not cover damage from impact and abrasion, or seam / core construction visibilities in extreme high temperature / high humidity environments. Zu products are designed to be used in temperature and humidity controlled environments, namely your home or office unless otherwise stated. Warranty does not cover loudspeaker finish damage caused by the extremes of an uncontrolled environment.

If in the highly unlikely event that a Zu product arrives to you dead on arrival (D.O.A.), and after discussing it with a Zu tech, we will ship another of the same product at our expense and arrange for the D.O.A. product to be collected. If after inspection we find that you have misrepresented a returned product's condition, and that it was improperly handled or used, Zu will charge you for all damaged parts, labor, shipping and handling of the product.

Warranty does not apply to damage caused by operating the product outside the intended use, accident, another product, misuse, abuse, flood, fire, earthquake or any other external causes. Warranty does not cover damage caused by modification or service performed by anyone other than a Zu representative. Cosmetic damage is also excluded from warranty, as is all product that has any part of the Zu serial number removed.

When a product or part is exchanged the replacement becomes your property and the suspect or damaged part becomes Zu's property. Parts provided by Zu must be used in products for which the warranty service is claimed.

WHAT YOU CAN EXPECT IF WARRANTY SERVICE IS NEEDED

If warranty becomes necessary, you must call or email for a return of material authorization (R.M.A.) number, or to arrange for user serviceable parts. This provides opportunity to assist in diagnosing the problem and helps us to schedule for rapid turnaround in the event that parts, service or repair is needed. Upon factory inspection of parts or product, warranty eligibility will be determined. While service options, parts availability and response times will vary, we do our best to keep you happy. International customers should know that Zu will comply with all applicable export / import laws and regulations, you may be responsible for custom duties, taxes, broker fees, freight and other charges. When shipping of product or part is required, repackage the complete product, or part, in its original packaging. If you have any questions about packaging please call or email. Product damage caused from incorrect repackaging is not eligible for refund or warranty and the freight company may also reject your insurance claim. Until we have the product back in the shop and sign-off that it is eligible, the product is still your property, we recommend you insure or declare the full value when shipping. We also recommend that you only ship with a freight company that has a good reputation and offers tracking and insurance for the full amount.



ZU AUDIO

Ogden Commercial Industrial Park

3350 S. 1500 W.

OGDEN, UTAH — U.S.A.

[DESIGNED AND MADE BY US]