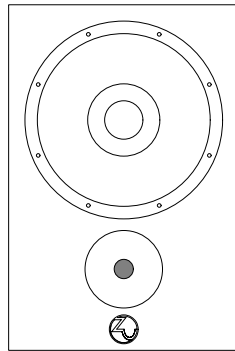


# OMEN BOOKSHELF

## Mk.II

[Rev-A]



AD COPY + SPECIFICATIONS

11 | 2012



# OMEN BOOKSHELF COPY + SPECS

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

Omen Bookshelf Mk.II, what's different?

The main difference between the Mk. II and its predecessor, the Omen Bookshelf Mk. I-B are:

- Addition of the ZuB3 input (via speakON NL8 connector, now run in parallel with standard five-way binding posts—both mounted on a machined aluminum nameplate.
- Internal cable upgrade, Mk. II using Zu Event internal cable in place of the previous model which used Mission hookup wire.
- Tweeter driver and lens change; from Eminence APT to ASD-1001.

Previous Mk. I-B changes over the original:

- New nanotech Zu260FRD/ND full-range driver.
- ClarityCap MR capacitor used in the high-pass network.
- Revised high-pass network values for better transparency and driver blending.
- Much tighter matched pair tolerances on drivers and electrical components.
- 600 hours of high intensity factory burn-in.

For additional info on the previous versions please see those documents.

Omen loudspeakers are designed for max vocal range resolution and natural presentation being the primary design goal. The Omen series represent the meat and potatoes of what Zu is about, standardized and designed for high-volume loudspeaker production—the only way to get this level of quality, performance, and good looks at this price. Our drivers, machine work, cabinetry, finish, assembly, packaging, all done by us in Ogden, Utah.

Even though Omen series are our entry level loudspeaker, they are still built to last a lifetime: cabinet material, adhesives, driver assemblies... every component is a high quality part designed to perform.

Omen delivers on the performance all that Zu driver goodness and machined aluminum suggests. Omen is also Zu's first standardized high-volume loudspeaker—the only way to get this level of quality, performance, and good looks at such a small price. Our loudspeaker-driver, machine work, cabinetry, finish, assembly, packaging, all done right here in Ogden, Utah.

With Zu's no questions asked 60-day satisfaction guarantee, you must give Omen a listen. Play your music, be it Buddy Holly, pre Vegas Elvis, or Sword.... Omen is the right speaker for every concert fanatic, music junky and extreme sports lunatic; because splitting your cash between your lifestyle outside and



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your lifestyle inside just got a whole lot louder!

## Quick Specs

HWD: 18" x 12" x 12" [45.8 x 30.5 x 30.5 cm]  
Footprint: 12" x 12" [30.5 x 30.5 cm]  
Weight: 35 pounds [16 kg] each  
Bandwidth: 50 - 25,000  
Inputs: ZuB3 + Standard 5-way binding posts  
Efficiency: 97 dB-SPL @ 1 W, 1m  
Impedance: 12 ohm  
Power Amp Range: 4 - 200 watt  
Made by us in our home town of Ogden, Utah—U.S.A.

## Omen Bookshelf Technologies Old & New

Omen Bookshelf, like all Zu products, is built around the critical human voice [A1, 55Hz, through A6 and all the possible harmonics, to approximately 12kHz]. Serving this critical region of tone is Zu's 5th generation 260 standard motor 10.3" [260mm] nanotech/paper composite full-range driver. And despite what many audio snobs might think about it based on price or it's trad' old school look, Omen Bookshelf is a true state-of-the-art loudspeaker housed in a sealed cabinet design.

## Zu260FRD/ND Full-Range 10" Driver

We take the technology and commercialization of Zu high output nanotech driver [Zu103ND] and match it too our proven 10" standard motor full-range driver.

## Finish

Standard finishes are top coated by UV protecting premium grade conversion varnish. All finish work is done in Zu's custom finish shop using processes and techniques developed by top U.S. acoustic guitar builders for a deep rich three dimensional look and great feel.

### Quick Setup Notes

Omen Bookshelf is designed to be used as a center-channel loudspeaker. The sound great mounted to a stand or sitting on a table.

The ideal position for Omen Center is horizontally in-line with the acoustic center of your left / right main loudspeakers—only really accomplished with acoustically transparent screens. When using it with direct view monitors, we recommend positioning it as close to the bottom of the screen as possible.

RoHS compliant. All parts used within Omen are 100% recyclable. They do not contain any toxic material as finished. Any Zu product or part may be sent back to Zu, free of charge, for proper reuse or disposal. Zu Omen loudspeaker systems are classified as a lifetime life-cycle product and will most likely be in service for well over 100 years.



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## **Cabinet Work And Materials Pallet**

Omen Mk.I-B is made from North American high density composite wood plate (Comp-60), machined on state-of-the-art CNC mills. Omen uses real wood veneer laid-up and pressed at the plywood factory and not glued after assembly. This ensures your finish will not lift or warp, and it yields the flattest surfaces and tightest seams. For glue, it's Titebond III, for the highest joint strength and a lifetime of unflinching, moisture-proof service.

## **Tips For Getting Great Sound From Omen Bookshelf**

Place your new Omens Bookshelf speakers on the shelf or tabletop, connect your loudspeaker cables, turn on your amplifier and push play. Easy. Also know that Omen Bookshelf loudspeakers are sensitive to the cold so if you have received, moved or stored it in cold temperatures it will take a week or so to again sound their best.



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

<b>Description</b>	High efficiency, high output, direct radiating bookshelf loudspeaker. Omen Bookshelf Mk.II features Zu's full-range snappy yet organic nanotech sanctified driver (260ND), no crossover or filters on full-range driver, complimented by twin composite dome time-aligned machined from billet tweeters to provide solid horizontal upper treble distribution and resolution (12kHz and up).
<b>Architecture</b>	Zu / orthogonal Scandinavian
<b>Production</b>	2013–
<b>Dimensions H W D</b>	18" x 12" x 12" [45.8 x 30.5 x 30.5 cm]
<b>Weight</b>	12" x 12" [30.5 x 30.5 cm]
<b>Packaged</b>	36 pounds [16 kg] two per shipping box, 81 pounds [38 kg]
<b>Driver Compliment</b>	1x Zu260FRD/ND, 10-1/3" full-range driver [bandwidth: 50 – 12kHz, direct and unfiltered] Zu/Eminance ASD-1001 tweeter assembly with stainless screen covering treble harmonics [aluminum alloy dome, mylar damped + matching Zu machined 6061 lens]
<b>Efficiency</b>	97 dB-SPL @ 1 Watt, 1 meter
<b>Impedance</b>	12 ohm, nominal full bandwidth
<b>Bandwidth</b>	50 – 25,000 Hz
<b>Horizontal Listening Window</b>	35°
<b>Vertical Listening Window</b>	35°
<b>Recommend Listening Distance</b>	2.5' [.75m] minimum
<b>Accepted Connectors</b>	ZuB3 + 5-way binding posts accepting: ZuB3 via speakON NL8, 1/4" spade [6.3mm fork]   5/16" spade [8mm fork]   bare wire ≤ #4 AWG   banana plugs
<b>Internal Cabling</b>	Event internal cable
<b>Average Room / Moderate Volume</b>	4 – 12 watt
<b>Large Room / Loud</b>	12 – 36 watt
<b>Large Room / Concert Level</b>	36 – 108 watt
<b>Max Music Input Power</b>	200 watt
<b>Component Tolerance</b>	driver 1% pair matching, 0.1% on all other electrical components
<b>Tweeter Detail</b>	ASD-1001 tweeter assembly [12 k – 25 kHz passband]
<b>High-Pass Filter Detail</b>	first order besseL @ 18 kHz [12kHz acoustical] ClarityCap MR 1 uF + loading
<b>Full-range Driver Detail</b>	Zu260FRD/ND, 10-1/3" full-range driver [direct and unfiltered]
<b>Cabinet</b>	North American Comp-60 composite high density fiberboard skinned with real wood veneer
<b>Spike / Feet Insert Thread</b>	none
<b>Included With Loudspeaker</b>	protective press-on full-range driver covers
<b>Life Expectancy</b>	100 years; cabinet, and drivers
<b>Manufacturers Country Of Origin</b>	U.S.A. 98%
<b>Compliances</b>	RoHS   WEEE
<b>Warranty &amp; Service</b>	5 years limited, does not cover misuse or abuse Omen Bookshelf is designed to be field serviceable



# OMEN BOOKSHELF WARRANTY

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

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 Bookshelf 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]

**[WWW.ZUAUDIO.COM](http://WWW.ZUAUDIO.COM)**