



# OMEN SPECIFICATIONS

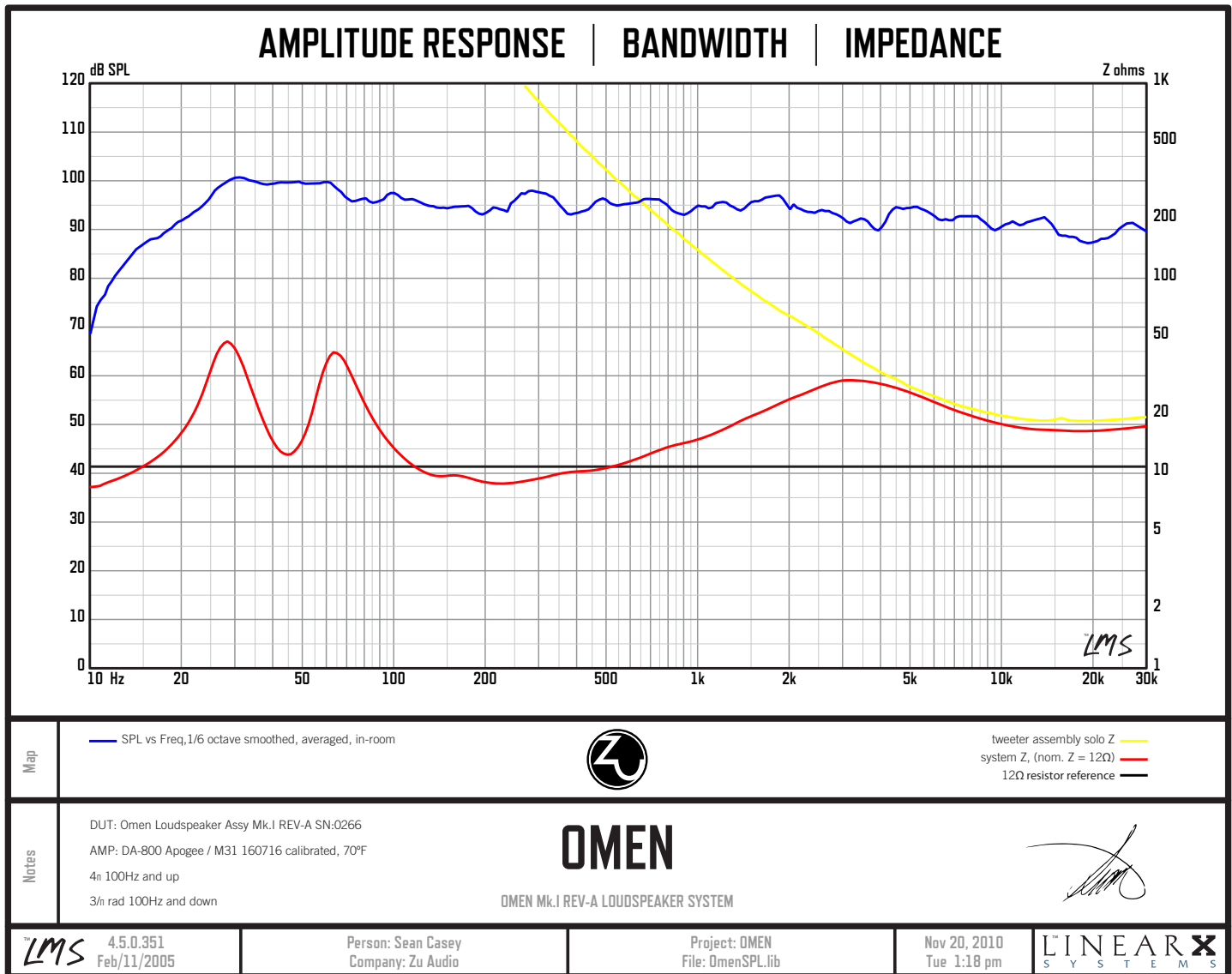
## ZU AUDIO OMEN Mk.I [REV-A] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

<b>Description</b>	High efficiency, high output, direct radiating floor standing loudspeaker. Omen features Zu's full-range driver (Zu260FRD/G4), Zu-Griewe driver/box/room loading technology, no crossover or filters on full-range driver, complimented by a composite dome time-aligned machined from billet tweeter to provide the acoustic sparkle and resolution from 12kHz and up.
<b>Architecture</b>	Zu / orthogonal Scandinavian
<b>Production</b>	October 2010 –
<b>Dimensions H W D</b>	36 x 12 x 12" [92 x 30.5 x 30.5cm] each
<b>Weight</b>	53 pounds [24kg] each
<b>Packaged</b>	FlexPak foam encapsulated 44 x 17 x 17" [112 x 43 x 43cm] 60 pounds [27kg] each
<b>Bandwidth</b>	34—25kHz
<b>Efficiency</b>	98dB SPL @ 1W, 1m
<b>Impedance</b>	12 $\Omega$ , nominal full bandwidth
<b>Acoustic Center</b>	30" [76cm] adjustable via footers and subtle canting of loudspeaker system
<b>Horizontal Listening Window</b>	40°
<b>Vertical Listening Window</b>	40°
<b>Recommend Listening Distance</b>	3 feet [1m] or more
<b>Accepted Connectors</b>	via standard 5-way binding posts: 1/4" spade [6.3mm], oversized 5/16" [8mm] spade, bare wire, banana plugs
<b>Internal Cabling</b>	ZuMission hookup wire
<b>Power Recommendations</b>	4—12 watt (average room, moderate volume) 12—36 watt (large room, loud listening) 36—200 watt (large room, concert levels) 300 watt (maximum input power)
<b>Amplification Considerations</b>	anything that sounds good (floating load, any amp type or circuit is fine)
<b>Component Tolerance</b>	better than 1% driver pair matching, 0.1% on all other electrical components
<b>Tweeter Detail</b>	1x Zu APT-L2 tweeter assembly with stainless screen // bandwidth: 12k—25kHz
<b>High-Pass Filter Detail</b>	1st order bessell @ 18kHz (12kHz acoustical) PulseX 1uF + 10 $\Omega$ 10W R
<b>Full-range Driver Detail</b>	1x Zu260FRD/G4, 10-1/3" full-range driver // bandwidth: 30—12kHz (direct and unfiltered)
<b>Cabinet</b>	North American MDF skinned with real wood veneer
<b>Spike / Feet Insert Thread</b>	3/8–16 TPI, 9/16" hex nut, 14mm wrench can be used
<b>Included With Loudspeaker Pair</b>	2x hard press-on full-range driver covers, installed 8x hard surface stainless ball-end feet / 8x stainless 9/16" [14mm] jam nuts, installed 8x long carpet spikes 1x instruction booklet
<b>Life Expectancy</b>	100 years; cabinet, and drivers, including the Zu 10" drivers; even in direct sunlight
<b>Manufacturers Country Of Origin</b>	U.S.A. all parts and labor excluding just a few small parts
<b>Compliances</b>	RoHS   WEEE
<b>Warranty &amp; Service</b>	5 years limited on cabinet and drivers—warranty does not cover misuse, abuse, components upstream from the loudspeaker system, modifications or non-factory service.



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# OMEN INFORMATION

## ZU AUDIO OMEN Mk.I [REV-A] LOUDSPEAKER SYSTEM SPECIFICATIONS + INFORMATION

Omen delivers on performance, even more than all that Zu driver goodness and machined aluminum suggest. Omen 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.

Our objective for Omen is simple, create and build a loudspeaker that will sound awesome, look sweet, and matchup well with the vast majority of amps—at a price that most music heads can afford.

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

### OMEN TECHNOLOGIES OLD & NEW

Omen, like all Zu products, is built around the critical human voice (A1, 55Hz, through A6 and all the possible harmonics, to approximately 10kHz). Serving this critical region of tone is Zu's 4th generation (standard motor) 10" paper coned full-range driver. And despite what many audio snobs might think about it based on price, Omen is a true state-of-the-art loudspeaker.

### THIRD GENERATION ZU-GRIEWE ELECTROACOUSTICS LOADING

Zu-Griewe driver / cabinet / room loading technology allows this high efficiency platform to give articulate and deep bass performance—attributes that have never been done in a passive, high efficiency loudspeaker system of this size. (Zu-Griewe is an acoustics technology and model originally developed for high performance competition two and four cycle engine exhaust systems for improving power output through pulse and pressure management, with increased bandwidth, while reducing noise and sound pressure levels over convention. More on the Zu-Griewe tech can be found in the FAQ section.)

### ZU260FRD/G4 FULL-RANGE 10" DRIVER

This is Zu's proven 10.3" [260mm] full-range driver, with the addition of the high frequency diffusion detail in the face of the pole piece extension. This "phase plug" is a carry over from the research and testing we did with Essence, which gives Omen a more linear management of high frequencies and broader dispersion from the directly coupled to voice coil inner cone.

### COLORS & FINISH OPTIONS

Please download the current price list for standard finish options. Other finishes are available through the Zu custom shop. Inquire for pricing.

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.



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## QUICK SETUP NOTES

1/4" [6mm] gap or greater is needed between Omen bottom and floor. "Finger ports" on bottom of Omen should not be obstructed.

Position left and right Omen symmetrically (classic stereo arrangement but wider) for best stereophonic playback. Point Omen directly at central listening seat for greatest intimacy. Point Omen directly forward for less treble and more diffused playback. Adjust baffle angle to change playback presentation, this is done by adjusting the front feet to be taller and the rear to be shorter. Experiment with placement to get best sound.

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 are classified as a lifetime life-cycle product and will most likely be in service for well over 50 years. Setup. Take the time to read the owner's manual, there's a lot of good stuff in it to help you realize a fantastic sounding space. Owner's manual is included with each pair and also available for download.

## TIPS ON GETTING GREAT SOUND FROM OMEN

Setup. Take the time to read the Omen owner's manual, there's a lot of good stuff in it to help you realize a fantastic sounding space.

Omen loudspeakers now get 200 hours of factory burn-in, they will sound good right out of the box but will not give you their best for several weeks, depending on how much play they get and what kind of music they see. If at first you find them restrained and a bit conservative, relax, they will come around.

Zu Omen loudspeakers are sensitive to the cold. If you have received, moved or stored them in cold temperatures they will take a week or so to again sound their best.

Make sure you have 1/4" [6mm] or greater gap between the bottom of the 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 (Helmholtz resonators in all their forms) but the finger ports do need to see the acoustic space of the room. Blocking them turns the Omen into an interesting but "sealed" design.

In addition the installed ball end footers (for use with hard surface flooring) Omen also ship with spikes to be used to punch through and anchor the speaker through carpets and rugs.

Read the owner's manual.



# OMEN WARRANTY

## ZU AUDIO OMEN Mk.I [REV-A] 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 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. Wood finishes are not 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.



# OMEN ISOMETRIC

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## OMEN

Simple Isometric Wireframe

Drivers and cabinet  
detail only.



✓ RoHS



CE

