



# OMEN BOOKSHELF Loudspeaker Specifications

NOVEMBER 2010

<b>Design</b>	High efficiency, high output, direct radiating bookshelf or stand-mount loudspeaker. Omen bookshelf features Zu's full-range driver (Zu260FRD/G4), 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 12,000 Hz and up.
<b>Version</b>	mark-1
<b>Launched</b>	November 2010 with production units shipping December 2010
<b>H W D</b>	18" x 12" x 12" (45.8 x 30.5 x 30.5 cm)
<b>Footprint</b>	12" x 12" (30.5 x 30.5 cm)
<b>Weight</b>	35 pounds (16 kg)
<b>Packaged</b>	two per shipping box, 80 pounds (37 kg)
<b>Driver Complement</b>	Zu260FRD/G4, 10-1/3" full-range driver covering bass to treble Zu tweeter assembly with stainless screen covering treble harmonics (composite dome + phase plug + machined 6061 lens)
<b>Component Tolerance</b>	driver 1% pair matching, 0.1% on all other electrical components
<b>Recommended Connector</b>	5-way binding posts accepting:
<b>Accepted Connectors</b>	1/4" spade (6.3mm fork)   5/16" spade (8mm fork)   bare wire ≤ #4 AWG   banana plugs
<b>Efficiency</b>	98 dB SPL @ 1 Watt, 1 meter
<b>Impedance</b>	12 ohm, nominal full bandwidth
<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>Bandwidth</b>	50 – 25,000 Hz
<b>Group Delay</b>	< 4 ms
<b>Dynamic Range</b>	119 dB
<b>Horizontal Listening Window</b>	40°
<b>Vertical Listening Window</b>	40°
<b>Full-range Driver Network</b>	none
<b>Super-tweeter Network</b>	1st order Bessel @ 18 kHz (Erse PusleX condenser), 12 kHz acoustic
<b>Internal Cabling</b>	Zu Mission hookup wire, pure copper
<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, 14 mm wrench can be used but is tight)
<b>Included With Loudspeaker</b>	hard surface ball end footers installed with S.S. 9/16" jam nuts also included are carpet spikes, owners manual, polish cloth, and copper lug cleaning kit
<b>Manufacturers Country Of Origin</b>	U.S.A. 95%
<b>Life Expectancy</b>	100 years plus, all parts
<b>Warranty &amp; Service</b>	5 years limited, does not cover misuse or abuse Omen Bookshelf is designed to be field serviceable, video and written service manual under production